

产品名称: JNK1/2/3 (phospho Tyr185) Rabbit Polyclonal Antibody  
产品货号: APRab04910



## 产品概述 (Summary)

|                        |                                                      |
|------------------------|------------------------------------------------------|
| 产品名称 (Production Name) | JNK1/2/3 (phospho Tyr185) Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody                           |
| 宿主 (Host)              | Rabbit                                               |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA                                  |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                                      |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Phosphorylated                                                                                    |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | MAPK8/9/10                                                                                                                                                                                                                                       |
| 别名 (Alternative Names) | MAPK8; JNK1; PRKM8; SAPK1; SAPK1C; Mitogen-activated protein kinase 8; MAP kinase 8; MAPK 8; JNK-46; Stress-activated protein kinase 1c; SAPK1c; Stress-activated protein kinase JNK1; c-Jun N-terminal kinase 1; MAPK9; JNK2; PRKM9; SAPK1A; Mi |
| 基因 ID (Gene ID)        | 5599/5601/5602                                                                                                                                                                                                                                   |
| 蛋白 ID (SwissProt ID)   | P45983/P45984/P53779.The antiserum was produced against synthesized peptide derived from human SAPK/JNK around the phosphorylation site of Tyr185. AA range:151-200                                                                              |

## 产品应用 (Application)

**产品名称: JNK1/2/3 (phospho Tyr185) Rabbit Polyclonal Antibody**  
**产品货号: APRab04910**

---

|                                 |                                                                         |
|---------------------------------|-------------------------------------------------------------------------|
| <b>稀释比 (Dilution Ratio)</b>     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000 |
| <b>蛋白分子量 (Molecular Weight)</b> | 46+54kDa                                                                |

## 研究背景 (Background)

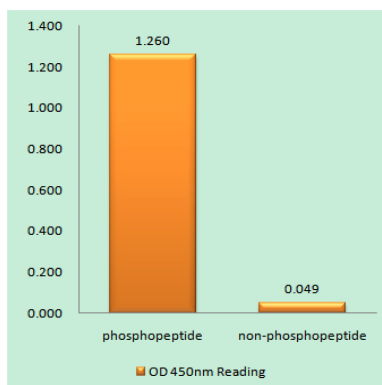
The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Several alternatively spliced catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., domain: The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases., enzyme regulation: Activated by threonine and tyrosine phosphorylation by either of two dual specificity kinases, MAP2K4 and MAP2K7. Inhibited by dual specificity phosphatases, such as DUSP1., function: JNK1 isoforms display different binding patterns: beta-1 preferentially binds to c-Jun, whereas alpha-1, alpha-2, and beta-2 have a similar low level of binding to both c-Jun or ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms., function: Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as JUN, JDP2 and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells (By similarity). Phosphorylates heat shock factor protein 4 (HSF4)., online information: C-Jun N-terminal kinases entry, PTM: Dually phosphorylated on Thr-183 and Tyr-185, which activates the enzyme., similarity: Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily., similarity: Contains 1 protein kinase domain., subunit: Binds to at least four scaffolding proteins, MAPK8IP1/JIP-1, MAPK8IP2/JIP-2, MAPK8IP3/JIP-3/JSAP1 and SPAG9/MAPK8IP4/JIP-4. These proteins also bind other components of the JNK signaling pathway. Interacts with TP53 and WWOX. Interacts with JAMP. Forms a complex with MAPK8IP1 and RGNF (By similarity). Interacts with NFATC4.,

## 研究领域 (Research Area)

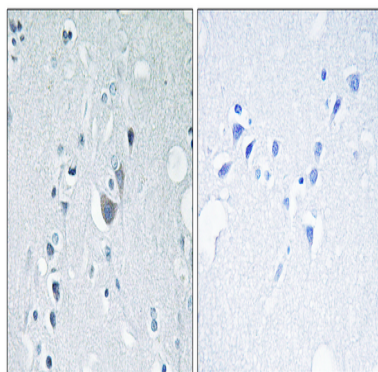
Toll\_Like; Cell Growth; Stem cell pathway; Insulin Receptor; MAPK\_ERK\_Growth; MAPK\_G\_Protein; ErbB/HER; B Cell Receptor; SAPK\_JNK; WNT; WNT-T CELL;  $\beta$ -Catenin

## 图片 (Image Data)

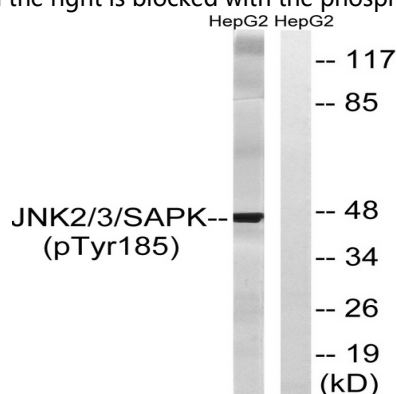
产品名称: JNK1/2/3 (phospho Tyr185) Rabbit Polyclonal Antibody  
产品货号: APRab04910



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using SAPK/JNK (Phospho-Tyr185) Antibody

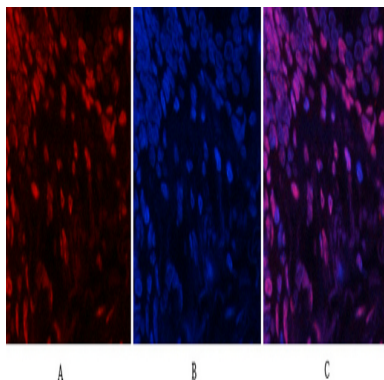


Immunohistochemistry analysis of paraffin-embedded human brain, using SAPK/JNK (Phospho-Tyr185) Antibody. The picture on the right is blocked with the phospho peptide.

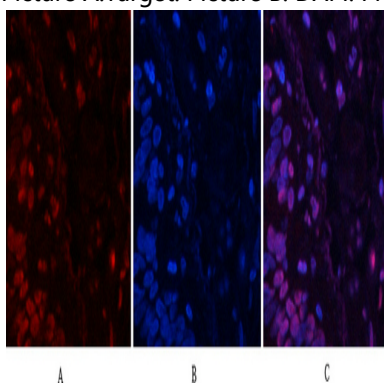


Western blot analysis of lysates from HepG2 cells treated with nocodazole 1ug/ml 16h, using SAPK/JNK (Phospho-Tyr185) Antibody. The lane on the right is blocked with the phospho peptide.

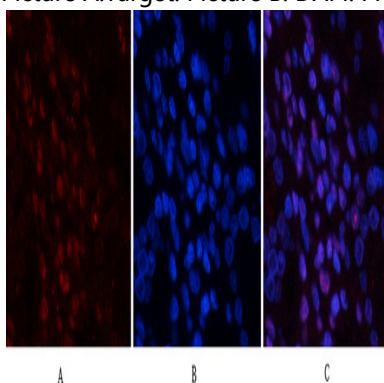
产品名称: JNK1/2/3 (phospho Tyr185) Rabbit Polyclonal Antibody  
产品货号: APRab04910



Immunofluorescence analysis of human-lung tissue. 1,JNK1/2/3 (phospho Tyr185) Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

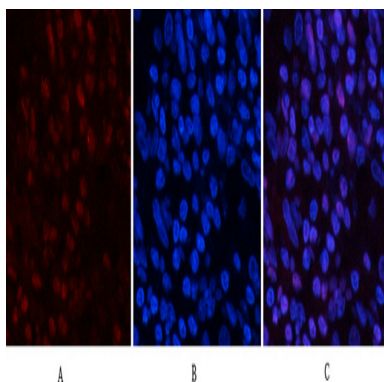


Immunofluorescence analysis of human-lung tissue. 1,JNK1/2/3 (phospho Tyr185) Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

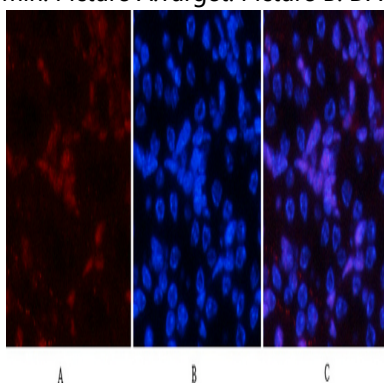


Immunofluorescence analysis of human-stomach tissue. 1,JNK1/2/3 (phospho Tyr185) Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

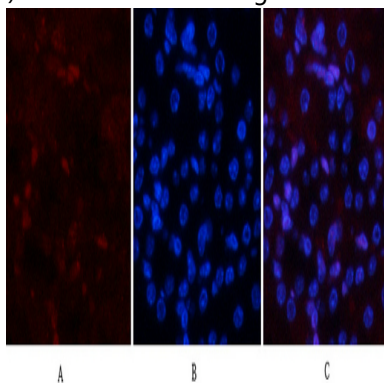
产品名称: JNK1/2/3 (phospho Tyr185) Rabbit Polyclonal Antibody  
产品货号: AP Rab04910



Immunofluorescence analysis of human-stomach tissue. 1, JNK1/2/3 (phospho Tyr185) Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of mouse-kidney stomach tissue. 1, JNK1/2/3 (phospho Tyr185) Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of mouse-kidney stomach tissue. 1, JNK1/2/3 (phospho Tyr185) Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

产品名称: JNK1/2/3 (phospho Tyr185) Rabbit Polyclonal  
Antibody  
产品货号: APRab04910

---



**注意事项 (Note)**

For research use only .