

产品名称: GSK3 $\alpha/\beta$  (phospho Tyr279/216) Rabbit Polyclonal Antibody  
产品货号: APRab04752



## 产品概述 (Summary)

|                        |                                                                     |
|------------------------|---------------------------------------------------------------------|
| 产品名称 (Production Name) | GSK3 $\alpha/\beta$ (phospho Tyr279/216) 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)        | GSK3A/GSK3B                                                                                                                                                                            |
| 别名 (Alternative Names) | GSK3A; Glycogen synthase kinase-3 alpha; GSK-3 alpha; Serine/threonine-protein kinase GSK3A; GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B |
| 基因 ID (Gene ID)        | 2931.0                                                                                                                                                                                 |
| 蛋白 ID (SwissProt ID)   | P49840/P49841.The antiserum was produced against synthesized peptide derived from human GSK3 alpha/beta around the phosphorylation site of Tyr279/216. AA range:246-295                |

## 产品应用 (Application)

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|                                 |                                                                         |
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| <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> | 51,46kDa                                                                |

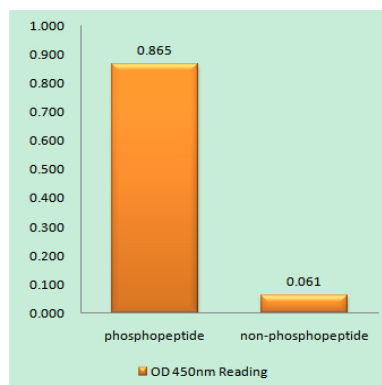
## 研究背景 (Background)

glycogen synthase kinase 3 alpha(GSK3A) Homo sapiens This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease. [provided by RefSeq, Oct 2011],catalytic activity:ATP + [tau protein] = ADP + [tau protein] phosphate.,function:Implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. GSK-3 subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Monomer.,

## 研究领域 (Research Area)

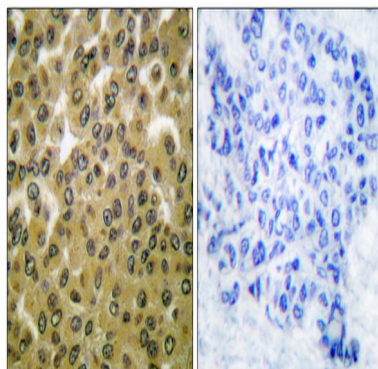
Chemokine;

## 图片 (Image Data)

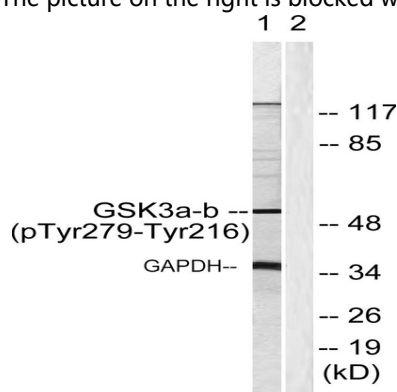


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using GSK3 alpha/beta (Phospho-Tyr279/216) Antibody

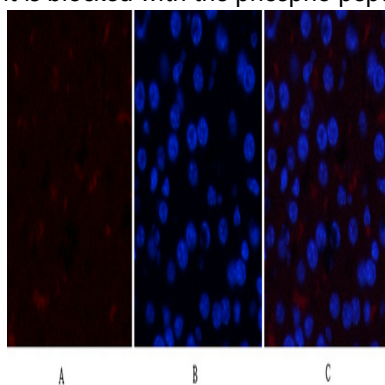
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Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using GSK3 alpha/beta (Phospho-Tyr279/216) Antibody. The picture on the right is blocked with the phospho peptide.

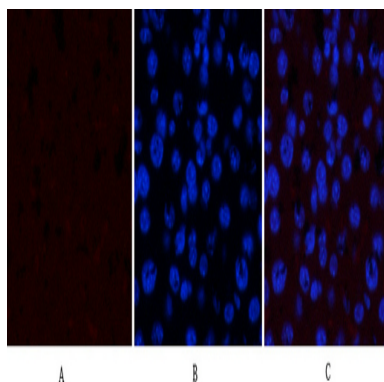


Western blot analysis of lysates from HeLa cells, using GSK3 alpha/beta (Phospho-Tyr279/216) Antibody. The lane on the right is blocked with the phospho peptide.

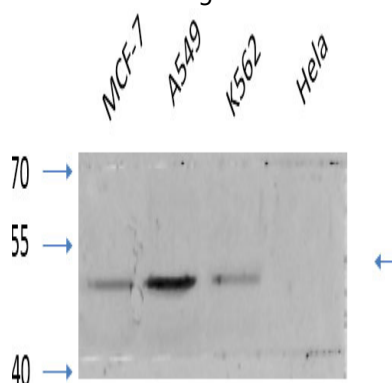


Immunofluorescence analysis of mouse-liver tissue. 1, GSK3 $\alpha/\beta$  (phospho Tyr279/216) Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

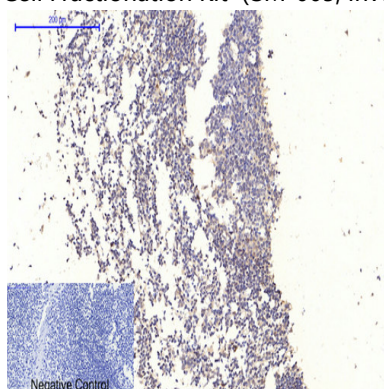
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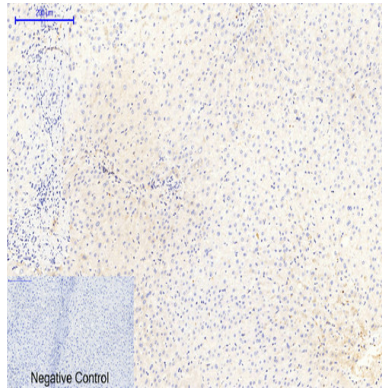
Western Blot analysis of various cells using primary antibody diluted at 1:1000 (4°C overnight) . Secondary antibody: Goat Anti-rabbit IgG IRDye 800 ( diluted at 1:5000, 25°C, 1 hour) . Cell lysate was extracted by Minute™ Plasma Membrane Protein Isolation and Cell Fractionation Kit (SM-005, Inventbiotech,MN,USA) .



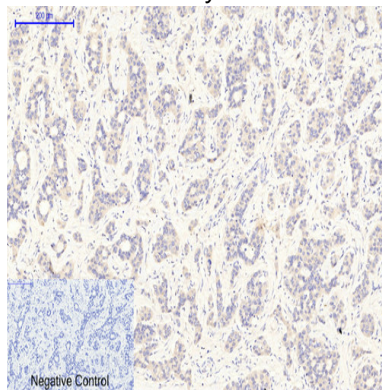
Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1,GSK3 $\alpha/\beta$  (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.

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Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,GSK3 $\alpha/\beta$  (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1,GSK3 $\alpha/\beta$  (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.

### 注意事项 (Note)

For research use only .