

**产品名称:** Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) Rabbit Monoclonal Antibody  
**产品货号:** AMRe02878

### 产品概述 (Summary)

|                   |                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------|
| 描述(Description)   | Recombinant rabbit monoclonal antibody                                                               |
| 宿主(Host)          | Rabbit                                                                                               |
| 应用(Application)   | WB,IHC                                                                                               |
| 种属反应(Reactivity)  | Human,Mouse,Rat                                                                                      |
| 偶联物(Conjugation)  | Unconjugated                                                                                         |
| 修饰(Modification)  | Phosphorylated                                                                                       |
| 同种型(Isotype)      | IgG                                                                                                  |
| 克隆(Clonality)     | Monoclonal                                                                                           |
| 剂型(Form)          | Liquid                                                                                               |
| 保存条件(Storage)     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.             |
| 储存溶液(Buffer)      | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| 纯化 (Purification) | Affinity Purification                                                                                |

### 产品应用(Application)

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| 稀释比(Dilution Ratio)   | WB 1:500-1:1000,IHC 1:50-1:100                       |
| 分子量(Molecular Weight) | Calculated MW: 116 kDa; Observed MW: 105,116,138 kDa |

### 抗原信息(Antigen Information)

|                       |                                                                             |
|-----------------------|-----------------------------------------------------------------------------|
| 基因名(Gene Name)        | TAOK1/TAOK2/TAOK3                                                           |
| 别名(Alternative Names) | DPK; JIK; hKFC-A; MAP3K18                                                   |
| 基因 ID(Gene ID)        | 51347/57551/9344                                                            |
| SwissProt ID          | Q7L7X3/Q9H2K8/Q9UL54                                                        |
| 免疫原(Immunogen)        | A synthetic Phosphorylated peptide corresponding to residues target protein |

### 研究背景 (Background)

Serine/threonine-protein kinase involved in various processes such as p38/MAPK14 stress-activated MAPK cascade, DNA damage response and regulation of cytoskeleton stability. Phosphorylates MAP2K3, MAP2K6 and MARK2. Acts as an activator of the p38/MAPK14 stress-activated MAPK cascade by mediating phosphorylation and subsequent activation of the upstream

MAP2K3 and MAP2K6 kinases. Involved in G-protein coupled receptor signaling to p38/MAPK14. In response to DNA damage, involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by mediating phosphorylation of MAP2K3 and MAP2K6.

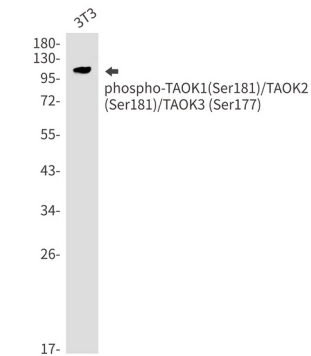
### 研究领域 (Research Area)

Signal Transduction; Cytoskeleton / ECM; Cytoskeleton; Microfilaments; Actin etc; Actin Assembly; Protein Phosphorylation; Ser / Thr Kinases; MAPK Pathway; Epigenetics and Nuclear Signaling; Cell cycle; Kinases/Phosphatases

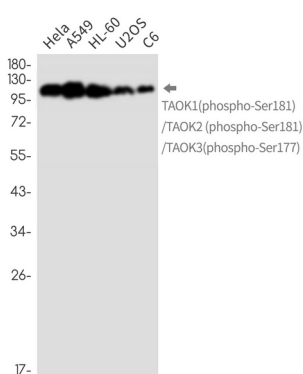
### 注意事项 (Note)

For research use only.

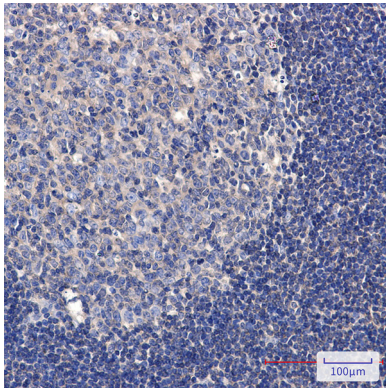
### 图片 (Image Data)



Western blot analysis of Phospho-TAOK1(Ser181)/TAOK2 (Ser181)/TAOK3 (Ser177) in 3T3 lysates using Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) antibody.



Western blot analysis of TAOK1 (Phospho-Ser181)/TAOK2 (Phospho-Ser181)/TAOK3 (Phospho-Ser177) in HeLa, A549, HL-60, U2OS, C6 lysates using TAOK1 (Phospho-Ser181)/TAOK2 (Phospho-Ser181)/TAOK3 (Phospho-Ser177) antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using TAOK1 (Phospho-Ser181)/TAOK2 (Phospho-Ser181)/TAOK3 (Phospho-Ser177) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## EnkiLife 优势产品推荐

| 产品类别                        | 产品货号     | 产品名称                                               |
|-----------------------------|----------|----------------------------------------------------|
| WB 解决方案                     | RA10020  | 2h 极速 WB 即用型全流程试剂盒                                 |
|                             | RA10021  | 4h 快速 WB 即用型全流程试剂盒                                 |
|                             | RA10042  | 5h 畅享版 WB 全流程试剂盒                                   |
|                             | RA10037  | 校准级彩色预染蛋白 Marker (8-180kDa)                        |
|                             | RA10038  | 校准级彩色预染蛋白 Marker (10-250kDa)                       |
|                             | RA10039  | 校准级高分子彩色预染蛋白 Marker (25-400kDa)                    |
| TSA 多重荧光染色试剂盒               | RA10008  | TSA 双标三色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10009  | TSA 三标四色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10010  | TSA 四标五色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10011  | TSA 五标六色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10012  | TSA 六标七色多重荧光染色试剂盒 (mIHC)                           |
| IHC 检测试剂盒                   | RA10006  | HRP Anti-Mouse/Rabbit IHC Detection System         |
|                             | RA10007  | Polymer-HRP Anti-Mouse/Rabbit IHC Detection System |
| 抗体标记试剂盒                     | RE80004p | 辣根过氧化物酶(HRP)抗体标记试剂盒                                |
|                             | RE80002q | Sulfo-NHS-生物素标记试剂盒                                 |
|                             | RE80007p | Cy3 荧光素标记试剂盒                                       |
|                             | RE80011p | Fluor488 荧光素标记试剂盒                                  |
|                             | RE80017p | Fluor750 荧光素标记试剂盒                                  |
|                             | RE80005p | 藻红蛋白(R-PE) 抗体快速标记试剂盒                               |
|                             | RE80040  | PE-Cy7 串联染料抗体快速标记试剂盒                               |
| 稳转细胞系构建服务<br>(免费赠送全膜 WB 验证) | TS-0001  | 过表达稳转细胞系构建                                         |
|                             | TS-0002  | 敲低稳转细胞系构建                                          |
|                             | TS-0003  | 敲除细胞系构建                                            |

限于篇幅，更多产品详见官网：<https://www.enkilife.cn>