

**TAB1 Antibody**  
**Rabbit mAb**  
**Catalog # AP92147****Specification**

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**TAB1 Antibody - Product Information**

|                                          |                        |
|------------------------------------------|------------------------|
| Application                              | WB, IHC, FC, ICC, IP   |
| Primary Accession                        | <a href="#">Q15750</a> |
| Reactivity                               | Rat                    |
| Clonality                                | Monoclonal             |
| <b>Other Names</b>                       |                        |
| MAP3K7IP1; TAB1; TAK1 binding protein 1; |                        |

|               |            |
|---------------|------------|
| Isotype       | Rabbit IgG |
| Host          | Rabbit     |
| Calculated MW | 54644 Da   |

**TAB1 Antibody - Additional Information**

|                              |                                                                                                                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dilution                     | WB~~1:1000<br>IHC~~1:100~500<br>FC~~1:10~50<br>ICC~~N/A<br>IP~~N/A                                                                                                                |
| Purification                 | Affinity-chromatography                                                                                                                                                           |
| Immunogen                    | A synthesized peptide derived from human TAB1                                                                                                                                     |
| Description                  | May be an important signaling intermediate between TGFB receptors and MAP3K7/TAK1. May play an important role in mammalian embryogenesis.                                         |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

**TAB1 Antibody - Protein Information****Name** TAB1**Synonyms** MAP3K7IP1**Function**

Key adapter protein that plays an essential role in JNK and NF-kappa-B activation and proinflammatory cytokines production in response to stimulation with TLRs and cytokines (PubMed: [22307082](http://www.uniprot.org/citations/22307082), PubMed: [24403530](http://www.uniprot.org/citations/24403530)). Mechanistically, associates with the catalytic domain of MAP3K7/TAK1 to trigger MAP3K7/TAK1

autophosphorylation leading to its full activation (PubMed:<a href="http://www.uniprot.org/citations/10838074" target="\_blank">10838074</a>, PubMed:<a href="http://www.uniprot.org/citations/25260751" target="\_blank">25260751</a>, PubMed:<a href="http://www.uniprot.org/citations/37832545" target="\_blank">37832545</a>). Similarly, associates with MAPK14 and triggers its autophosphorylation and subsequent activation (PubMed:<a href="http://www.uniprot.org/citations/11847341" target="\_blank">11847341</a>, PubMed:<a href="http://www.uniprot.org/citations/29229647" target="\_blank">29229647</a>). In turn, MAPK14 phosphorylates TAB1 and inhibits MAP3K7/TAK1 activation in a feedback control mechanism (PubMed:<a href="http://www.uniprot.org/citations/14592977" target="\_blank">14592977</a>). Also plays a role in recruiting MAPK14 to the TAK1 complex for the phosphorylation of the TAB2 and TAB3 regulatory subunits (PubMed:<a href="http://www.uniprot.org/citations/18021073" target="\_blank">18021073</a>).

#### Cellular Location

Cytoplasm, cytosol. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Note=Recruited to the endoplasmic reticulum following interaction with STING1

#### Tissue Location

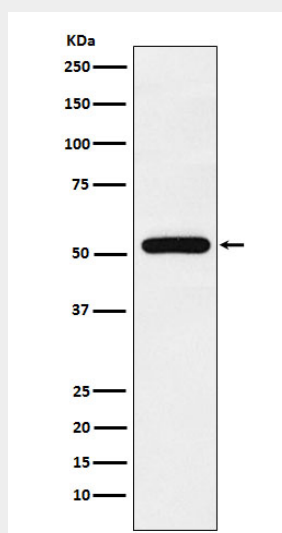
Ubiquitous..

#### TAB1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### TAB1 Antibody - Images



Western blot analysis of TAB1 expression in MCF-7 cell lysate.