

MARK3 Antibody
Rabbit mAb
Catalog # AP92101**Specification**

MARK3 Antibody - Product Information

Application **WB, FC, ICC, IP**
Primary Accession **[P27448](#)**
Clonality **Monoclonal**
Other Names
C-TAK1; cTAK1; Emk2; KP78; Mark3; PAR1A;

Isotype **Rabbit IgG**
Host **Rabbit**
Calculated MW **84429 Da**

MARK3 Antibody - Additional Information

Dilution **WB~~1:1000**
FC~~1:10~50
ICC~~N/A
IP~~N/A
Purification **Affinity-chromatography**
Immunogen **A synthesized peptide derived from human MARK3**
Description **Involved in the specific phosphorylation of microtubule-associated proteins for tau, MAP2 and MAP4. Phosphorylates CDC25C on 'Ser-216'.**
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.**

MARK3 Antibody - Protein Information**Name** MARK3**Synonyms** CTAK1, EMK2**Function**

Serine/threonine-protein kinase (PubMed:16822840, PubMed:16980613, PubMed:23666762). Involved in the specific phosphorylation of microtubule-associated proteins for MAP2 and MAP4. Phosphorylates the microtubule-associated protein MAPT/TAU (PubMed:23666762). Phosphorylates CDC25C on 'Ser-216' (PubMed:23666762).

<http://www.uniprot.org/citations/12941695> target="_blank">12941695). Regulates localization and activity of some histone deacetylases by mediating phosphorylation of HDAC7, promoting subsequent interaction between HDAC7 and 14-3-3 and export from the nucleus (PubMed:16980613). Regulates localization and activity of MITF by mediating its phosphorylation, promoting subsequent interaction between MITF and 14-3-3 and retention in the cytosol (PubMed:16822840). Negatively regulates the Hippo signaling pathway and antagonizes the phosphorylation of LATS1. Cooperates with DLG5 to inhibit the kinase activity of STK3/MST2 toward LATS1 (PubMed:28087714). Phosphorylates PKP2 and KSR1 (PubMed:12941695).

Cellular Location

Cell membrane; Peripheral membrane protein. Cell projection, dendrite. Cytoplasm

Tissue Location

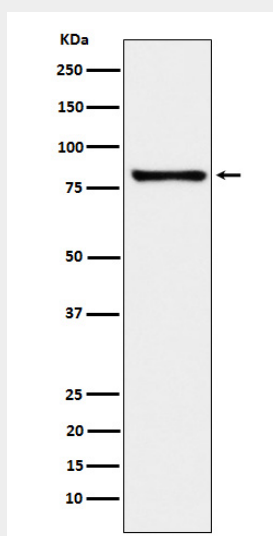
Ubiquitous.

MARK3 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](#)

MARK3 Antibody - Images



Western blot analysis of MARK3 expression in K562 cell lysate.