

MARK1 Rabbit pAb

Catalog No.: A8435

Basic Information

Observed MW

95kDa

Calculated MW

72kDa/84kDa/89kDa

Category

Primary antibody

Applications

WB,IHC

Cross-Reactivity

Human, Mouse

Background

Serine/threonine-protein kinase. Involved in cell polarity and microtubule dynamics regulation. Phosphorylates DCX, MAP2 and MAP4. Phosphorylates the microtubule-associated protein MAPT/TAU. Involved in cell polarity by phosphorylating the microtubule-associated proteins MAP2, MAP4 and MAPT/TAU at KXGS motifs, causing detachment from microtubules, and their disassembly. Involved in the regulation of neuronal migration through its dual activities in regulating cellular polarity and microtubule dynamics, possibly by phosphorylating and regulating DCX. Also acts as a positive regulator of the Wnt signaling pathway, probably by mediating phosphorylation of dishevelled proteins (DVL1, DVL2 and/or DVL3).

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
4139	Q9P0L2

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 560-700 of human MARK1 (NP_061120.3).

Synonyms

MARK1;MARK;Par-1c;Par1c

Contact

 | www.abclonal.com

Product Information

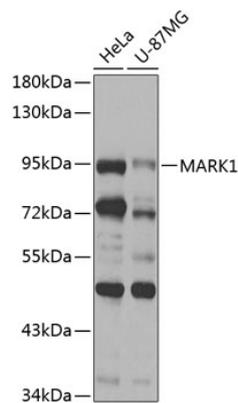
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using MARK1 antibody (A8435) at 1:1000 dilution.

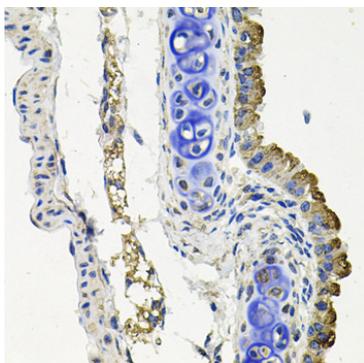
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Immunohistochemistry of paraffin-embedded mouse lung using MARK1 antibody (A8435) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.