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Phospho-TAK1-S439 Rabbit mAb

Catalog No.: A9437

Recombinant | 2 Publications

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Basic Information

Observed MW
70-82kDa

Calculated MW
67kDa

Category
Monoclonal Antibodies

Applications
WB, ELISA

Cross Reactivity
Mouse

Clone No.
ARC2714

Background

The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.

Recommended Dilutions

WB	1:500 - 1:1000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
6885

Swiss-Prot
O43318

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CSCF; FMD2; TAK1; MEKK7; TGF1a; Phospho-TAK1-S439

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

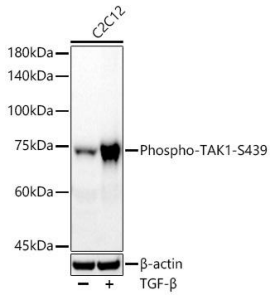
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at -20℃
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using Phospho-TAK1-S439 Rabbit mAb (A9437) at 1:1000 dilution incubated overnight at 4℃. C2C12 cells were treated with TGF-β (10 ng/ml) at 37℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.