A16733

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Caspase-5 Rabbit pAb

Catalog No.: A16733 3 Publications

Basic Information

Observed MW
35kDa/50kDa/44kDa

Calculated MW
50kDa

Category
Antibody

Applications
WB,ELISA

Cross-Reactivity
Human

Background

This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. Overexpression of the active form of this enzyme induces apoptosis in fibroblasts. Max, a central component of the Myc/Max/Mad transcription regulation network important for cell growth, differentiation, and apoptosis, is cleaved by this protein; this process requires Fas-mediated dephosphorylation of Max. The expression of this gene is regulated by interferon-gamma and lipopolysaccharide. Alternatively spliced transcript variants have been identified for this gene.

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
838

Swiss Prot
P51878

Immunogen
Recombinant Protein corresponding to a sequence within amino acids 140-250 of human Caspase-5 (NP_001129584).

Synonyms
ICH-3; ICEREL-III; ICE(rel)III; Caspase-5

Contact

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Product Information

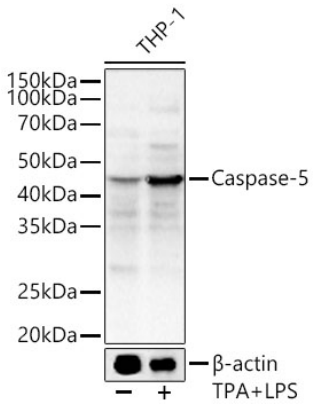
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from THP-1 cells using Caspase-5 Rabbit pAb (A16733) at 1:700 dilution. THP-1 cells were treated by TPA (80nM) overnight and LPS (1 μg/ml) at 37 ℃ for 1 hour.
Secondary antibody: HRP 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 Enhanced Kit (RM00021).
Exposure time: 30s.