

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



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

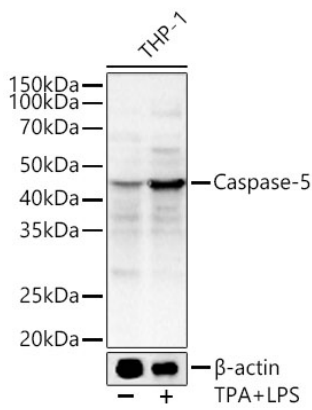
### Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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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  $\mu$ g/ml) at 37 °C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.