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Tel: 858.875.1900 Fax: 858.875.1999

Caspase-10 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10298

Specification

Caspase-10 Antibody - Product Information

Application	**WB**
Primary Accession	Q92851
Other Accession	AAD28403
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**58951**

Caspase-10 Antibody - Additional Information

Gene ID 843

Application & Usage	**Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects the proform (~55 kDa), intermediates (30 kDa and 34 kDa), and cleaved form (~20 kDa) of caspase-10 on SDS-PAGE immunoblots.**

Other Names
CASP10 , ALPS2 , MCH4 , FLICE2 , CASP-10 , ICE-like apoptotic protease 4

Target/Specificity
Caspase-10

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
200 µg (200 µg/ml) affinity purified rabbit anti-caspase-10 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

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Background Descriptions

Precautions
Caspase-10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Caspase-10 Antibody - Protein Information

Name CASP10

Synonyms MCH4

Function
Involved in the activation cascade of caspases responsible for apoptosis execution. Recruited to both Fas- and TNFR-1 receptors in a FADD dependent manner. May participate in the granzyme B apoptotic pathways. Cleaves and activates effector caspases CASP3, CASP4, CASP6, CASP7, CASP8 and CASP9. Hydrolyzes the small- molecule substrates, Tyr- Val-Ala-Asp-|-AMC and Asp-Glu-Val-Asp-|-AMC.

Tissue Location
Detectable in most tissues. Lowest expression is seen in brain, kidney, prostate, testis and colon

Caspase-10 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 Cytomety
- Cell Culture

Caspase-10 Antibody - Images

Caspase-10 Antibody - Background

Caspase family of cysteine proteases play a key role in apoptosis. Caspase-10 is expressed in many tissues and cell lines, and has been identified as caspase-10/a (short form) and caspase-10/b (long form), respectively. Similar as other caspases, caspase-10 is also synthesized as an inactive pro-enzyme that is processed in cells undergoing apoptosis. Activated caspase-10 activates caspase-3,-4,-6,-7,-8, and –9, which are then involved in proteolytic cleavage of many cellular proteins. Caspase-10 has been shown involving in the Fas and TNFR1 induced apoptosis.