

Caspase-10 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11228**Specification**

Caspase-10 Antibody - Product Information

Application	WB
Primary Accession	O92851
Other Accession	AAD28403
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58951

Caspase-10 Antibody - Additional Information**Gene ID 843**

Positive Control
Application & Usage

Western Blot: Recombinant protein 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

FAS-associated death domain protein interleukin-1B-converting enzyme 2, FLICE2, ICE like
Apoptotic Protease 4

Target/Specificity

Caspase-10

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) of Caspase-10 antibody in PBS pH 7.2, 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

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 Cytometry](#)
- [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.