

Datasheet for ABIN6990327
anti-Caspase 4 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	Caspase 4 (CASP4)
Binding Specificity:	AA 80-130, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Caspase-13 antibody was raised against a 15 amino acid peptide near the amino terminus of bovine Caspase-13. The immunogen is located within amino acids 80 - 130 of Caspase-13.
Isotype:	IgG
Purification:	Caspase-13 Antibody is Ion exchange chromatography purified.

Target Details

Target:	Caspase 4 (CASP4)
Alternative Name:	Caspase-13 (CASP4 Products)
Background:	Caspase-13 Antibody: Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death is finally caused by members of the caspase family of proteases and caspase activated DNases. A novel member in the caspase family was

Target Details

recently identified and designated ERICE (for Evolutionarily Related Interleukin-1 beta Converting Enzyme) and caspase-13. Caspase-13 belongs to the ICE subfamily of caspases. Overexpression of caspase-13 induces apoptosis. Caspase-13 was activated by caspase-8, which is a key enzyme in death receptor induced apoptosis. Caspase-13 is expressed in a variety of human tissues and cell lines.

Molecular Weight:	43 kDa
Gene ID:	338039
UniProt:	O75601
Pathways:	Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Caspase-13 antibody can be used for detection of caspase-13 by Western blot at 1 µg/mL. A 43 kDa band should be detected. Antibody can also be used for immunohistochemistry starting at 10 µg/mL. Antibody validated: Western Blot in human, mouse, and rat samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Caspase-13 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	Caspase-13 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.