

Datasheet for ABIN6990516
anti-CASP5 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	CASP5
Binding Specificity:	AA 40-90, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASP5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Caspase-5 antibody was raised against a 16 amino acid synthetic peptide from the amino-terminus of human Caspase-5. The immunogen is located within amino acids 40 - 90 of Caspase-5.
Isotype:	IgG
Specificity:	Depending on cell lines or tissues used, other cleavage products may be observed.
Purification:	Caspase-5 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CASP5
Alternative Name:	Caspase-5 (CASP5 Products)

Target Details

Background:	Caspase-5 Antibody: Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. Members of this subfamily include caspase-1, -4, -5, and -12. Activation of these caspases results in the cleavage and activation of proinflammatory cytokines such as IL-1 β , and IL-18. Caspase-5 can interact with caspase-1, both are constituents of the NALP1 inflammasome, a complex that can trigger the cleavage of pro-IL-1 β . Expression of caspase-5 can be regulated by lipopolysaccharide (LPS) and IFN-gamma.
Molecular Weight:	Predicted: 48 kDa Observed: 48 kDa
Gene ID:	838
UniProt:	P51878
Pathways:	Inflammasome

Application Details

Application Notes:	Casp-5 antibody can be used for the detection of Caspase-5 by Western blot at 0.5 to 2 μ g/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Caspase-5 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-5 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.