Datasheet for ABIN499565

anti-CASP5 antibody (N-Term)

1 Image

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Overview

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

Product Details

Immunogen:	Human Casp-5 / ICH-3 / ICE rel III (N-Terminus) Peptide
Isotype:	IgG
Specificity:	Caspase-5 antibody was raised against a 16 amino acid peptide from the amino-terminus of human Caspase-5.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CASP5
Alternative Name:	Caspase-5 (CASP5 Products)
Background:	Caspases are a family of cysteine proteases that can be divided into the apoptotic and

Target Details

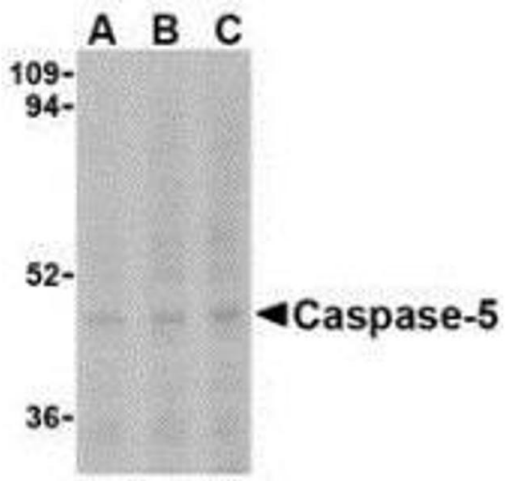
	inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens (reviewed in 1). Members of this subfamily include caspase-1, -4, -5, and -12. Activation of these caspases results in the cleavage and activation of proinflammatory cytokines such as IL-1beta and IL-18 (2,3). Caspase-5 can interact with caspase-1, both are constituents of the NALP1 inflammasome, a complex that can trigger the cleavage of pro-IL-1beta (4). Expression of caspase-5 can be regulated by lipopolysaccharide (LPS) and IFN-gamma (5).Synonyms: CASP-5, CASP5, ICE(rel)-III, ICH-3 protease, ICH3, TY protease
Gene ID:	838
UniProt:	P51878
Pathways:	Inflammasome

Application Details

Application Notes:	ELISA. Western Blot: Casp-5 antibody can be used for the detection of Caspase-5 at 1 µg/mL. Depending on cell lines or tissues used, other cleavage products may be observed. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	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:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Western Blotting

Image 1. Western blot analysis of Caspase-5 in Ramos cells with AP30199PU-N Caspase-5 antibody at (A) 0.5, (B) 1, and (C) 2 µg/ml.