

Datasheet for ABIN499567
anti-CASP5 antibody (Intermediate Domain)[Go to Product page](#)

2 Images

Overview

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

Product Details

Immunogen:	Human Casp-5 / (ICH-3 / ICE rel III (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	Caspase-5 antibody was raised against a 14 amino acid peptide from the center 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 0.5 - 1 µg/mL Depending on cell lines or tissues used, other cleavage products may be observed.
Immunocytochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

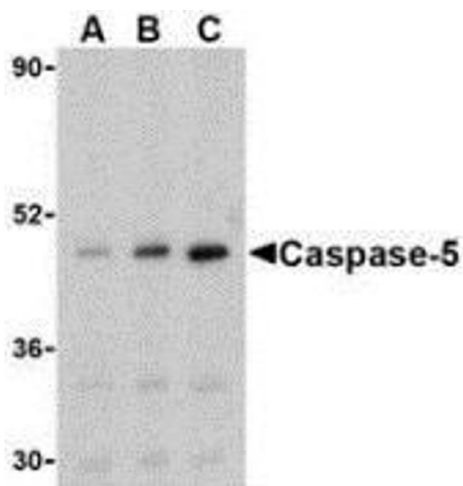
Buffer: PBS containing 0.02 % sodium azide.

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 AP30200PU-N caspase-5 antibody at (A) 0.5, (B) 1, and (C) 2 µg/ml.



Immunofluorescence

Image 2. Immunocytochemistry of caspase-5 in P815 cells with AP30200PU-N caspase-5 antibody at 2 µg/ml.