

Caspase 5 p20 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51044

Specification

Caspase 5 p20 Antibody - Product Information

Application	WB, E
Primary Accession	P51878
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20 KDa

Caspase 5 p20 Antibody - Additional Information

Gene ID 838

Other Names

Caspase-5, CASP-5, ICE(rel)-III, Protease ICH-3, Protease TY, Caspase-5 subunit p20, Caspase-5 subunit p10, CASP5, ICH3

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Caspase 5 p20. The exact sequence is proprietary.

Dilution

WB~~1:1000
E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Caspase 5 p20 Antibody - Protein Information

Name CASP5 {ECO:0000303|PubMed:16893518, ECO:0000312|HGNC:HGNC:1506}

Function

Thiol protease that acts as a mediator of programmed cell death (PubMed:28314590, PubMed:29898893). Initiates pyroptosis, a programmed lytic cell death pathway through cleavage of Gasdermin-D (GSDMD): cleavage releases the N-terminal gasdermin moiety (Gasdermin- D, N-terminal) that binds to membranes and forms pores, triggering pyroptosis (PubMed:29898893). Also mediates cleavage and maturation of IL18 (PubMed:29898893).

<http://www.uniprot.org/citations/37993714> target="_blank">37993714). Cleavage of GSDMD and IL18 is not strictly dependent on the consensus cleavage site but depends on an exosite interface on CASP4 (PubMed:37993714). During non-canonical inflammasome activation, cuts CGAS and may play a role in the regulation of antiviral innate immune activation (PubMed:28314590).

Tissue Location

Expressed in barely detectable amounts in most tissues except brain, highest levels being found in lung, liver and skeletal muscle.

Caspase 5 p20 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 5 p20 Antibody - Images

Caspase 5 p20 Antibody - Background

Mediator of programmed cell death (apoptosis).

Caspase 5 p20 Antibody - References

Eckhart L.,et al.Biochem. Biophys. Res. Commun. 348:682-688(2006).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Taylor T.D.,et al.Nature 440:497-500(2006).
Munday N.A.,et al.J. Biol. Chem. 270:15870-15876(1995).
Faucheu C.,et al.Eur. J. Biochem. 236:207-213(1996).