

Anti-Caspase 5 CASP5 Rabbit Monoclonal Antibody

Catalog # ABO13983

Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	P51878
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-Caspase 5 CASP5 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human.

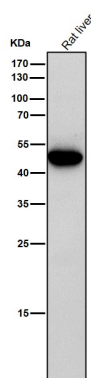
Additional Information

Gene ID	838
Other Names	Caspase-5, CASP-5, 3.4.22.58, ICE(rel)-III, Protease ICH-3, Protease TY, Caspase-5 subunit p20, Caspase-5 subunit p10, CASP5 {ECO:0000303 PubMed:16893518, ECO:0000312 HGNC:HGNC:1506}
Calculated MW	49736
Application Details	WB 1:1000-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50
Tissue Specificity	Expressed in barely detectable amounts in most tissues except brain, highest levels being found in lung, liver and skeletal muscle.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: GOI-3
Immunogen	A synthesized peptide derived from human Caspase 5
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

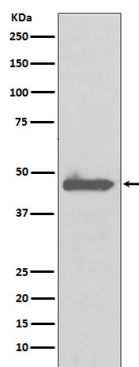
Protein Information

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: 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.

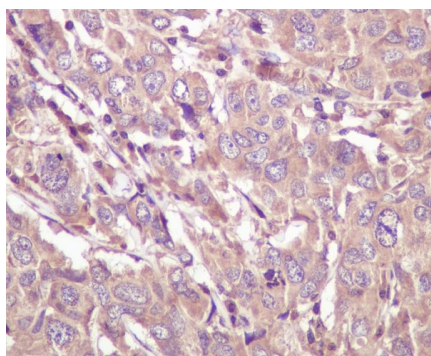
Images



All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.



Western blot analysis of Caspase 5 expression in HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer, using Caspase 5 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.