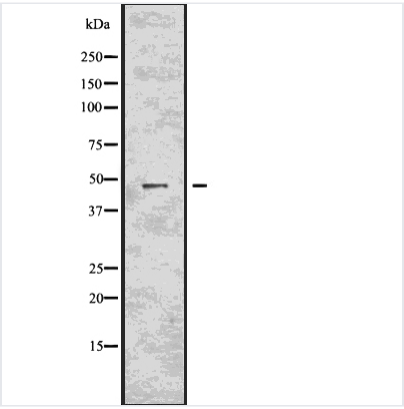
CASP5 Antibody

PRODUCT OVERVIEW

Product Name	CASP5, Antibody
Full Product Name	CASP5 Antibody
Product Gene Name	anti-CASP5 antibody
Molecular Weight	41,851 Da
OMIM	602665
3D Structure	ModBase 3D Structure for P51878
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-CASP5 antibody	MBS8517045 is an antibody targeting CASP5. Also known as CASP5 Antibody.
Other Notes	Small volumes of anti-CASP5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CASP5 antibody
Western blot analysis CASP5 using HuvEc whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CASP5. It may not necessarily be applicable to this product.

NCBI GI #	209870071
NCBI GeneID	838
NCBI Accession #	NP_001129581.1
UniProt Primary Accession #	P51878
UniProt Secondary Accession #	Q0QVY7; Q0QVY8; Q0QVZ0; Q0QVZ1; Q0QVZ2; Q14DD6; Q1HBJ3; Q6DJV7; B4DKP5
UniProt Related Accession #	P51878
GenBank Nucleotide #	NM_001136109.2
NCBI Official Full Name	caspase-5 isoform b

NCBI Official Synonym Full Names	caspase 5
NCBI Official Symbol	CASP5
NCBI Official Synonym Symbols	ICH-3; ICEREL-III; ICE(rel)III
UniProt Protein Name	Caspase-5
UniProt Synonym Protein Names	ICE(rel)-III; Protease ICH-3; Protease TY
Protein Family	Caspase
UniProt Gene Name	CASP5
UniProt Synonym Gene Names	ICH3; CASP-5
NCBI Protein Information	caspase-5
NCBI Summary for CASP5	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. Overexpression of the active form of this enzyme induces apoptosis in fibroblasts. Max, a central component of the Myc/Max/Mad transcription regulation network important for cell growth, differentiation, and apoptosis, is cleaved by this protein; this process requires Fas-mediated dephosphorylation of Max. The expression of this gene is regulated by interferon-gamma and lipopolysaccharide. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Aug 2010]
UniProt Comments for CASP5	Mediator of programmed cell death (apoptosis). During non-canonical inflammasome activation, cuts CGAS and may play a role in the regulation of antiviral innate immune activation (PubMed:28314590).
Research Articles on CASP5	**1.** Study shows that CASP5 was positively correlated with inflammation in rheumatoid arthritis (RA), and provides evidence that certain CASP5 SNPs were associated with an increased risk of RA.
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