

Rabbit anti-Human CASP2 Polyclonal Antibody | anti-CASP2 antibody

CASP2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285553	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CASP2; Polyclonal Antibody; CASP2 Antibody (Center); Caspase-2; CASP-2; Neural precursor cell expressed developmentally down-regulated protein 2; NEDD-2; Protease ICH-1; Caspase-2 subunit p18; Caspase-2 subunit p13; Caspase-2 subunit p12; ICH1; NEDD2; anti-CASP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CASP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 198-226 amino acids from the Central region of human CASP2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	198-226
Sequence Length	91
Applicable Applications for anti-CASP2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

CASP2 Antibody (Center) flow cytometric analysis of HL60 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human lung with CASP2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of CASP2 antibody (Center) in HL60, K562, Ramos and NIH-3T3 cell line lysates(35ug/lane). CASP2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP2 antibody	CASP2 is a protein which is 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. The protein 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. The proteolytic cleavage of this protein is induced by a variety of apoptotic stimuli.
Product Categories/Family for anti-CASP2 antibody	Cancer; Cell Biology; Metabolism
References	Lan,Q., Morton,L.M. Blood (2009) In press Shi,M., Vivian,C.J. Cell 136 (3), 508-520 (2009) Paroni,G., Henderson,C. J. Biol. Chem. 276 (24), 21907-21915 (2001) Tiso,N., Pallavicini,A. Biochem. Biophys. Res. Commun. 225 (3), 983-989 (1996)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502575
NCBI GeneID	835
NCBI Accession #	NP_001215.1; NP_116764.2; NP_116765.2
NCBI GenBank Nucleotide #	NM_001224.4
UniProt Accession #	P42575; P42576; Q59F21; Q7KZL6; Q86UJ3; Q9BUP7; Q9BZK9; Q9BZL0; A8K5F9; D3DXD6; E9PDN0
Molecular Weight	50685
NCBI Official Full Name	caspase-2 isoform 2
NCBI Official Synonym Full Names	caspase 2, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP2
NCBI Official Synonym Symbols	ICH1; NEDD2; CASP-2; NEDD-2; PPP1R57
NCBI Protein Information	caspase-2
UniProt Protein Name	Caspase-2
UniProt Gene Name	CASP2
UniProt Synonym Gene Names	ICH1; NEDD2; CASP-2; NEDD-2
UniProt Entry Name	CASP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.