

Rabbit anti-Human CASP10 Polyclonal Antibody | anti-CASP10 antibody

CASP10 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307766	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

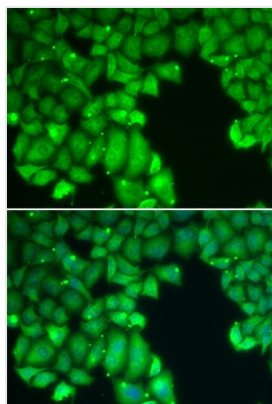
PRODUCT SYNONYMS

CASP10; Polyclonal Antibody; CASP10 antibody; MCH4; Caspase 10; FLICE2; CASP 10; ICE like apoptotic protease 4; anti-CASP10 antibody

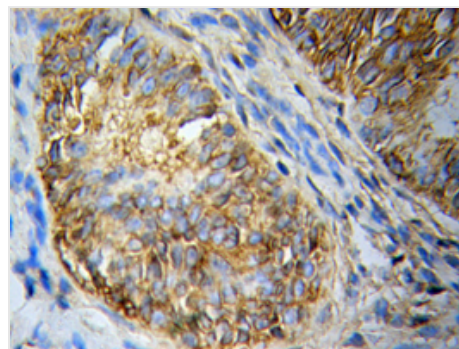
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total CASP10 antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	455
Applicable Applications for anti-CASP10 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human CASP10.
Target Name	CASP10
Preparation and Storage	Store at -20 degree C

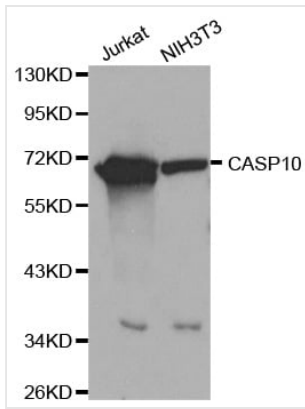
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using CASP10 antibody. Blue: DAPI for nuclear staining.


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Endometrial cancer using CASP10 antibody.



WB (Western Blot)
Western blot analysis of extracts of Jurkat and NIH3T3 cells, using CASP10 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP10 antibody	Caspase-10 is a DED (death effector domain)-containing caspase and functions as an initiator caspase in Fas/TNF induced apoptosis (1). Four isoforms of caspase-10 have been identified: caspase-10a (Mch4), caspase-10b (FLICE2), caspase-10c and caspase-10d. They have the same prodomain but different mature large and small subdomains (2-4). Upon death ligand-receptor binding, caspase-10 is coupled to the multimeric Fas/TNF receptor complex via DED/FADD adaptor interaction (1-4). This complex processes procaspase-10 into a large active fragment and a small fragment. Cleaved caspase-10 further processes other caspase members, including caspase-3 and caspase-7, to initiate a caspase cascade, leading to apoptosis (3-6).
Product Categories/Family for anti-CASP10 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	330864823
NCBI GeneID	843
NCBI Accession #	NP_001193453.1
NCBI GenBank Nucleotide #	NM_001206524.1
UniProt Accession #	Q92851; Q68HC0; Q6KF62; Q6KF63; Q8IUP5; Q8WYQ8; Q99845; Q9Y2U6; Q9Y2U7
Molecular Weight	28,364 Da
NCBI Official Full Name	caspase-10 isoform 6 preproprotein
NCBI Official Synonym Full Names	caspase 10, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP10
NCBI Official Synonym Symbols	MCH4; ALPS2; FLICE2
NCBI Protein Information	caspase-10
UniProt Protein Name	Caspase-10
UniProt Gene Name	CASP10
UniProt Synonym Gene Names	MCH4; CASP-10; FLICE2
UniProt Entry Name	CASPA_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.

