

Rabbit anti-Human, Mouse CAPN6 Polyclonal Antibody | anti-CAPN6 antibody

CAPN6 Antibody

CATALOG # AAA327892	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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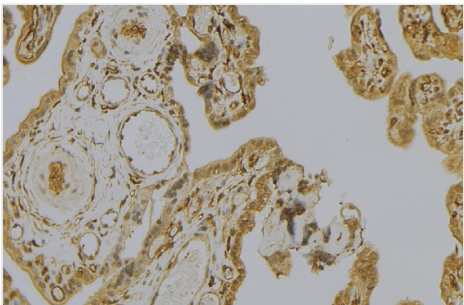
PRODUCT SYNONYMS

CAPN6; Polyclonal Antibody; CAPN6 Antibody; CALP M; Calpain-6; Calpain-like protease X-linked; Calpamodulin; CalpM; CAN6_HUMAN; CANP X; CANPX; CAPN 6; Capn6; anti-CAPN6 antibody

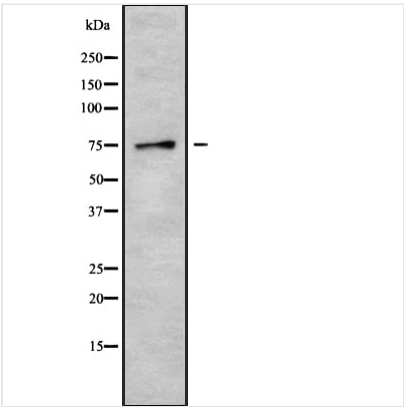
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CAPN6 antibody detects endogenous levels of total CAPN6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	641
Applicable Applications for anti-CAPN6 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CAPN6
Subcellular Location	Cytoplasm > Perinuclear Region. Cytoplasm > Cytoskeleton > Spindle. During mitose associated with the mitotic spindle. At telophase colocalized to the midbody spindle.
Tissue Specificity	Expressed only in placenta.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327892 at 1/100 staining Mouse placenta tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of CAPN6 using NIH-3T3 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN6 antibody	Function: Microtubule-stabilizing protein that may be involved in the regulation of microtubule dynamics and cytoskeletal organization. May act as a regulator of RAC1 activity through interaction with ARHGEF2 to control lamellipodial formation and cell mobility. Does not seem to have protease activity as it has lost the active site residues (By similarity). Subunit Structure: Interacts (via domain III) with microtubules. Interacts (via domain II) with ARHGEF2 (via the N-terminal zinc finger). Similarity: Belongs to the peptidase C2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13186316
NCBI GeneID	827
NCBI Accession #	NP_055104.2
NCBI GenBank Nucleotide #	NM_014289.3
UniProt Accession #	Q9Y6Q1; Q9UEQ1; Q9UJA8; D3DUY7
Molecular Weight	Observed: 75 kDa Predicted: 75 kDa
NCBI Official Full Name	calpain-6
NCBI Official Synonym Full Names	calpain 6
NCBI Official Symbol	CAPN6
NCBI Official Synonym Symbols	CANPX; CAPNX; CalpM; DJ914P14.1
NCBI Protein Information	calpain-6
UniProt Protein Name	Calpain-6
UniProt Gene Name	CAPN6
UniProt Synonym Gene Names	CALPM; CANPX; CalpM

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.