

Rabbit CAPN6 Polyclonal Antibody | anti-CAPN6 antibody

CAPN6 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289210	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

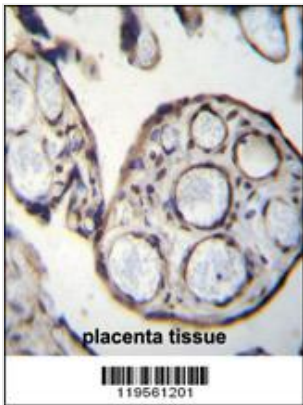
PRODUCT SYNONYMS

CAPN6; Polyclonal Antibody; CAPN6 Antibody (Center); Calpain-6; Calpain-like protease X-linked; Calpamodulin; CalpM; CALPM; CANPX; anti-CAPN6 antibody

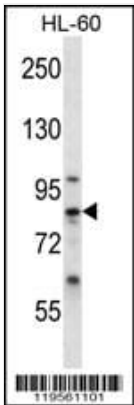
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CAPN6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 390-419 amino acids from the Central region of human CAPN6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	390-419
Sequence Length	641
Applicable Applications for anti-CAPN6 antibody	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



IHC (Immunohiostchemistry)
CAPN6 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CAPN6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CAPN6 Antibody (Center) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the CAPN6 antibody detected the CAPN6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN6 antibody	Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein encoded by this gene is highly expressed in the placenta. Its C-terminal region lacks any homology to the calmodulin-like domain of other calpains. The protein lacks critical active site residues and thus is suggested to be proteolytically inactive. The protein may play a role in tumor formation by inhibiting apoptosis and promoting angiogenesis.
Product Categories/Family for anti-CAPN6 antibody	Cell Biology; Signal transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Secolin, R., et al. Psychiatr. Genet. 20(3):126-129(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Rho, S.B., et al. Cancer Lett. 271(2):306-313(2008) Rojas, F.J., et al. Mol. Hum. Reprod. 5(6):520-526(1999)

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	74576
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
UniProt Entry Name	CAN6_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/capn6-antibody-immunohistochemistry-western-blot-elisa/289210>