

Rabbit CAPN6 Polyclonal Antibody | anti-CAPN6 antibody

CAPN6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302019	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

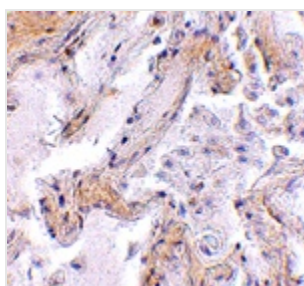
PRODUCT SYNONYMS

CAPN6; Polyclonal Antibody; CAPN6 Antibody; Calpain 6; CANPX; CalpM; anti-CAPN6 antibody

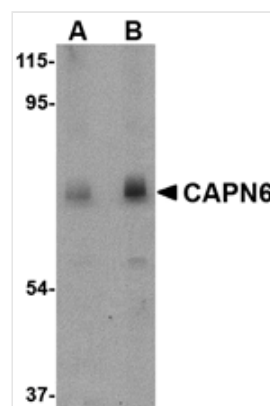
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	641
Applicable Applications for anti-CAPN6 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide from near the carboxy terminus of human CAPN6.
Target Name	CAPN6
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of CAPN6 in human lung tissue with CAPN6 antibody at 2.5 ug/mL.



WB (Western Blot)
Western blot analysis of CAPN6 in rat lung tissue lysate with CAPN6 antibody at (A) 0.5 and (B) 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN6 antibody	Calpains make up a ubiquitously expressed, well-conserved family of calcium-dependent cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. This 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. Calpain 6 (CAPN6) is most similar to Calpain 5; the C-terminal region of CAPN6 lacks homology to the calmodulin-like domain of other vertebrate calpains. CAPN6 is thought to be involved in the regulation of microtubule dynamics and cytoskeletal organization. CAPN6 has also been recently identified as an HIV dependency factor (HDF), suggesting that CAPN6 may be an important drug target in HIV treatment.
Product Categories/Family for anti-CAPN6 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	13186316
NCBI GeneID	827
NCBI Accession #	NP_055104
NCBI GenBank Nucleotide #	NM_014289.3
Molecular Weight	74,576 Da
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/302019>