

Rabbit CAPN6 Polyclonal Antibody | anti-CAPN6 antibody

CAPN6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40123	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

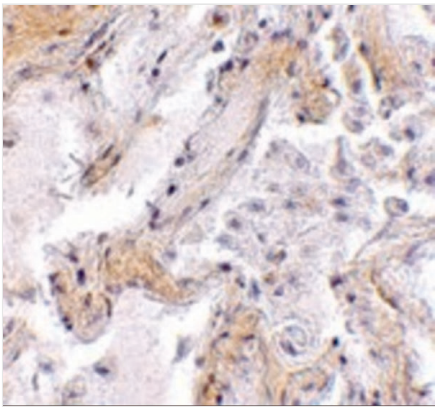
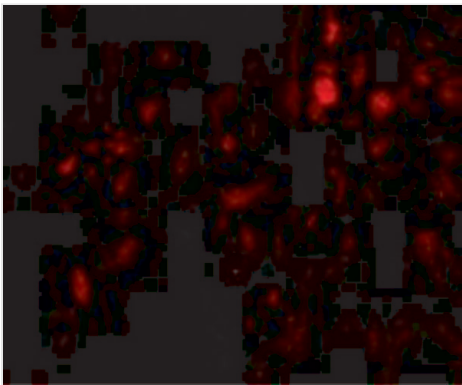
PRODUCT SYNONYMS

CAPN6; Polyclonal Antibody; CAPN6 Antibody; CANPX; CAPNX; CalpM; DJ914P14.1; CALPM; Calpain-6; Calpain-like protease X-linked; calpain 6; anti-CAPN6 antibody

PRODUCT SPECIFICATIONS

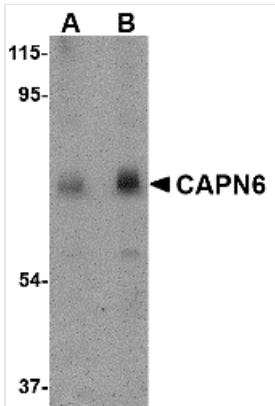
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	CAPN6 Antibody is Protein A purified.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	641
Applicable Applications for anti-CAPN6 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CAPN6 antibody was raised against a 18 amino acid synthetic peptide from near the carboxy terminus of human CAPN6.
Buffer	CAPN6 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CAPN6 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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



IF (Immunofluorescence)
Immunofluorescence of CAPN6 in Human Lung cells with CAPN6 antibody at 20 μ g/mL.

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



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

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN6 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13186316
NCBI GeneID	827
NCBI Accession #	NP_055104
NCBI GenBank Nucleotide #	NM_014289.3
UniProt Accession #	Q9Y6Q1; Q9UEQ1; Q9UJA8; D3DUY7
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; calpamodulin; calpain-like protease X-linked
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-immunofluorescence-immunohistochemistry-western-blot-elisa/40123>