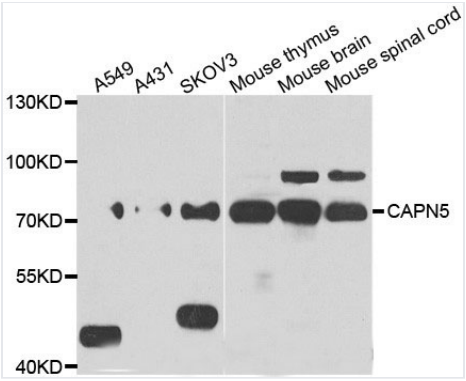
CAPN5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CAPN5, Polyclonal Antibody
Full Product Name	CAPN5 Polyclonal Antibody
Product Gene Name	anti-CAPN5 antibody
Product Synonym Names	VRNI; ADNIV; HTRA3; nCL-3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	Calculated MW: 73kDa
OMIM	193235
Immunogen	Recombinant protein of human CAPN5
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-54691 / sc-54693 / sc-50500
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CAPN5 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CAPN5 antibody	WB: 1:500-1:2000, IHC: 1:50-1:200
Related Product Information for anti-CAPN5 antibody	Calpains are calcium-dependent cysteine proteases involved in signal transduction in a variety of cellular processes. A functional calpain protein consists of an invariant small subunit and 1 of a family of large subunits. CAPN5 is one of the large subunits. Unlike some of the calpains, CAPN5 and CAPN6 lack a calmodulin-like domain IV. Because of the significant similarity to Caenorhabditis elegans sex determination gene tra-3, CAPN5 is also called as HTRA3.
Other Notes	Small volumes of anti-CAPN5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CAPN5 purchase	MBS2535613 is an antibody targeting CAPN5. Also known as CAPN5 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CAPN5 antibody
Western blot analysis of extracts of various cell lines, using CAPN5 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAPN5. It may not necessarily be applicable to this product.

NCBI GI #	37577157
NCBI GeneID	726
NCBI Accession #	NP_004046.2
UniProt Secondary Accession #	O00263
UniProt Related Accession #	O15484
GenBank Nucleotide #	NM_004055.4
NCBI Official Full Name	calpain-5
NCBI Official Synonym Full Names	calpain 5
NCBI Official Symbol	CAPN5
NCBI Official Synonym Symbols	VRNI; ADNIV; HTRA3; nCL-3
UniProt Protein Name	Calpain-5
UniProt Synonym Protein Names	Calpain htra-3; New calpain 3; nCL-3
Protein Family	Calpain
UniProt Gene Name	CAPN5
UniProt Synonym Gene Names	NCL3; nCL-3
UniProt Entry Name	CAN5_HUMAN
NCBI Protein Information	calpain-5

UniProt Comments for CAPN5	CAPN5: Calpains are calcium-dependent cysteine proteases involved in signal transduction in a variety of cellular processes. A functional calpain protein consists of an invariant small subunit and 1 of a family of large subunits. CAPN5 is one of the large subunits. Unlike some of the calpains, CAPN5 and CAPN6 lack a calmodulin-like domain IV. Because of the significant similarity to Caenorhabditis elegans sex determination gene tra-3, CAPN5 is also called as HTRA3. [provided by RefSeq, Jul 2008] Protein type: EC 3.4.22.-; Protease Chromosomal Location of Human Ortholog: 11q14 Cellular Component: cell surface; focal adhesion; intracellular Molecular Function: calcium-dependent cysteine-type endopeptidase activity Biological Process: granulosa cell differentiation; luteinization; ovarian follicle development; proteolysis; signal transduction Disease: Vitreoretinopathy, Neovascular Inflammatory
Research Articles on CAPN5	**1.** CAPN5 expression can be suppressed by shRNA-based RNA interference
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