CAPN13 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CAPN13, Polyclonal Antibody
Full Product Name	CAPN13, CT (CAPN13, Calpain-13, Calcium-activated neutral proteinase 13) (MaxLight 405)
Product Gene Name	anti-CAPN13 antibody
Product Synonym Names	CAPN13; Calpain-13; Calcium-activated neutral proteinase 13
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	76,696 Da
OMIM	610228
3D Structure	ModBase 3D Structure for Q6MZZ7
Immunogen	CAPN13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 536-565 amino acids from the C-terminal region of human CAPN13.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-CAPN13 antibody	Antibodies; Protease Inhibitors
Applications Tested/Suitable for anti-CAPN13 antibody	Western Blot (WB), FLISA
Application Notes for anti-CAPN13 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CAPN13 antibody	Calpains are a family of cytosolic calcium-activated cysteine proteases involved in a variety of cellular processes including apoptosis, cell division, modulation of integrin-cytoskeletal interactions, and synaptic plasticity (Dear et al., 2000 [PubMed 10964513]). CAPN13 belongs to the calpain large subunit family.
Product References and Citations for anti-CAPN13 antibody	Taylor, J.Y., et al. Biol Res Nurs 12(2):149-155(2010). Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Hillier, L.W., et al. Nature 434(7034):724-731(2005). Dear, T.N., et al. Gene 274 (1-2), 245-252 (2001): Dear, T.N., et al. Genomics 68(2):152-160(2000).
Other Notes	Small volumes of anti-CAPN13 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 CAPN13 purchase	MBS6280743 is an antibody targeting CAPN13. Also known as CAPN13, CT (CAPN13, Calpain-13, Calcium-activated neutral proteinase 13) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAPN13. It may not necessarily be applicable to this product.

NCBI GI #	41152101
NCBI GeneID	92291
NCBI Accession #	NP_653176.2
UniProt Primary Accession #	Q6MZZ7
UniProt Secondary Accession #	Q17RF0; Q580X1; Q8TE80
UniProt Related Accession #	Q6MZZ7
GenBank Nucleotide #	NM_144575.2
NCBI Official Full Name	calpain-13
NCBI Official Synonym Full Names	calpain 13
NCBI Official Symbol	CAPN13
UniProt Protein Name	Calpain-13
UniProt Synonym Protein Names	Calcium-activated neutral proteinase 13; CANP 13
Protein Family	Calpain
UniProt Gene Name	CAPN13
UniProt Synonym Gene Names	CANP 13
UniProt Entry Name	CAN13_HUMAN
NCBI Protein Information	calpain-13; CANP 13; calcium-activated neutral proteinase 13
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