Latexin (LXN) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Latexin (LXN), Polyclonal Antibody
Full Product Name	Latexin, NT (LXN, Latexin, Endogenous carboxypeptidase inhibitor, Protein MUM, Tissue carboxypeptidase inhibitor) (MaxLight 750)
Product Gene Name	anti-LXN antibody
Product Synonym Names	LXN; Latexin; Endogenous carboxypeptidase inhibitor; Protein MUM; Tissue carboxypeptidase inhibitor
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 MaxLight750.
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: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	25,750 Da
OMIM	609305
3D Structure	ModBase 3D Structure for Q9BS40
Immunogen	Latexin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31~60 amino acids from the N-terminal region of human latexin.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-LXN antibody	Antibodies; Enzymes; Carboxypeptidase
Applications Tested/Suitable for anti-LXN antibody	Western Blot (WB), FLISA, Immunohistochemistry (IHC)
Application Notes for anti-LXN antibody	WB: 1:50-100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-LXN antibody	Latexin possesses nearly irreversible, non-competitive and potent inhibition of zinc-dependent metallocarboxypeptidases CPA1, CPA2, and CPA4. It is expressed in a neuronal subset in the cerebral cortex and cells in other neural and non-neural tissues of rat. Latexin plays a role in regional specification and/or morphogenesis of the forebrain.
Product References and Citations for anti-LXN antibody	Pallares, I., Proc. Natl. Acad. Sci. U.S.A. 102 (11), 3978-3983 (2005).
Other Notes	Small volumes of anti-LXN 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 LXN purchase	MBS6315314 is an antibody targeting LXN. Also known as Latexin, NT (LXN, Latexin, Endogenous carboxypeptidase inhibitor, Protein MUM, Tissue carboxypeptidase inhibitor) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	194473714
NCBI GeneID	56925
NCBI Accession #	NP_064554.3
UniProt Primary Accession #	Q9BS40
UniProt Secondary Accession #	Q96PN2; Q9NQS6
UniProt Related Accession #	Q9BS40
GenBank Nucleotide #	NM_020169.3
NCBI Official Full Name	latexin
NCBI Official Synonym Full Names	latexin
NCBI Official Symbol	LXN
NCBI Official Synonym Symbols	ECI; TCI
UniProt Protein Name	Latexin
UniProt Synonym Protein Names	Endogenous carboxypeptidase inhibitor; ECI; Protein MUM; Tissue carboxypeptidase inhibitor; TCI
Protein Family	Latexin
UniProt Gene Name	LXN
UniProt Synonym Gene Names	ECI; TCI
UniProt Entry Name	LXN_HUMAN
NCBI Protein Information	latexin; MUM; endogenous carboxypeptidase inhibitor; tissue carboxypeptidase inhibitor
NCBI Summary for LXN	This gene encodes the only known protein inhibitor of zinc-dependent metallocarboxypeptidases. [provided by RefSeq, Oct 2008]
UniProt Comments for LXN	LXN: Hardly reversible, non-competitive, and potent inhibitor of CPA1, CPA2 and CPA4. Belongs to the protease inhibitor I47 (latexin) family. Chromosomal Location of Human Ortholog: 3q25.32 Cellular Component: cytoplasm Molecular Function: metalloendopeptidase inhibitor activity; heparin binding Biological Process: detection of temperature stimulus involved in sensory perception of pain; inflammatory response
Research Articles on LXN	**1.** latexin is markedly downregulated in hepatocellular carcinoma specimens, compared to adjacent non-cancerous tissues.
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