

Mouse anti-Human Latexin Monoclonal Antibody | anti-LXN antibody

Anti-Latexin Antibody, Mouse Monoclonal

CATALOG # AAA254706	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

Latexin; Monoclonal Antibody; Anti-Latexin Antibody; Mouse Monoclonal; Latexin/LXN/TCI Antibody; Mouse MAb; latexin; Anti-ECI Antibody; Anti-TCI Antibody; anti-LXN antibody

PRODUCT SPECIFICATIONS

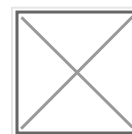
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	8E1G6C1D4
Specificity	Human Latexin/LXN/TCI. No cross-reactivity in ELISA with E Coli lysate
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LXN antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Latexin protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Latexin (rh Latexin). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

LXN was immunoprecipitated using: Lane A: 0.5 mg MCF-7 Whole Cell Lysate 0.5 uL anti-LXN mouse monoclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-LXN mouse monoclonal antibody, at 1:500 dilution Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 25.7 kDa Observed band size: 27 kDa



WB (Western Blot)

Anti-LXN mouse monoclonal antibody at 1:500 dilution Lane A: A549 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Mouse IgG H&L (DyLight 800) at 1/15000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 26 kDa Observed band size: 26 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-LXN antibody	Latexin, also known as endogenous carboxypeptidase inhibitor, tissue carboxypeptidase inhibitor, TCI, ECI, and LXN, is a cytoplasm protein that belongs to the protease inhibitor I47 (latexin) family. It is highly expressed in the heart, prostate, ovary, kidney, pancreas, and colon. Latexin/LXN is the only known endogenous specific inhibitor of zinc-dependent metallocarboxypeptidases (MCPs) present in mammals so far. Latexin is originally identified as a molecular marker for the regional specification of the neocortex in development in rats. The 222 amino acid latexin in the human shows different expression distribution with high levels in heart, prostate, ovary, kidney, pancreas, and colon, but only moderate or low levels in other tissues including the brain. Latexin is also expressed at high levels and is inducible in macrophages in concert with other protease inhibitors and potential protease targets, and thus is suggested to play a role in inflammation and innate immunity pathways. Despite the non-detectable sequence similarity with plant and parasite inhibitors, Latexin is related to a human putative tumor suppressor protein, TIG1. Also, Latexin is implicated in Alzheimer's disease.
References	Liu Q., et al., (2000), Cloning, tissue expression pattern and genomic organization of latexin, a human homologue of rat carboxypeptidase A inhibitor. Mol. Biol. Rep. 27:241-246.Gauci S., et al., (2009), Lys-N and trypsin cover complementary parts of the phosphoproteome in a refined SCX-based approach.nal. Chem. 81:4493-4501.Muzny D.M., et al., (2006), The DNA sequence, annotation and analysis of human chromosome 3.Nature 440:1194-1198.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194473714
NCBI GeneID	56925
NCBI Accession #	NP_064554.3
NCBI GenBank Nucleotide #	NM_020169.3
UniProt Accession #	Q9BS40; Q96PN2; Q9NQS6
Molecular Weight	25,750 Da
NCBI Official Full Name	latexin
NCBI Official Synonym Full Names	latexin
NCBI Official Symbol	LXN
NCBI Official Synonym Symbols	ECI; TCI
NCBI Protein Information	latexin; MUM; endogenous carboxypeptidase inhibitor; tissue carboxypeptidase inhibitor
UniProt Protein Name	Latexin
UniProt Gene Name	LXN
UniProt Synonym Gene Names	ECI; TCI
UniProt Entry Name	LXN_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/monoclonal/latexin-antibody-clone-8e1g6c1d4-immunoprecipitation-western-blot-elisa/254706>