Rabbit anti-Human Latexin Polyclonal Antibody | anti-LXN antibody

Anti-Latexin Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254708	**Rabbit**	**Human**	**Immunoprecipitation, ELISA, Western Blot**

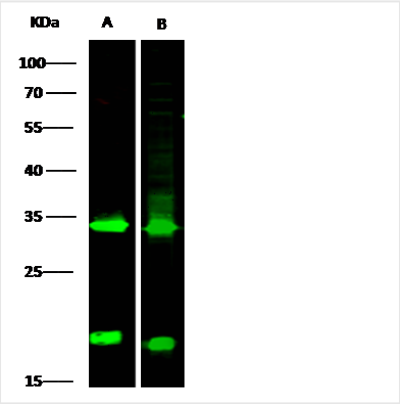
PRODUCT SYNONYMS

Latexin; Polyclonal Antibody; Anti-Latexin Antibody; Rabbit Polyclonal; Latexin/LXN/TCI Antibody; Rabbit PAb; Antigen Affinity Purified; latexin; Anti-ECI Antibody; Anti-TCI Antibody; anti-LXN antibody

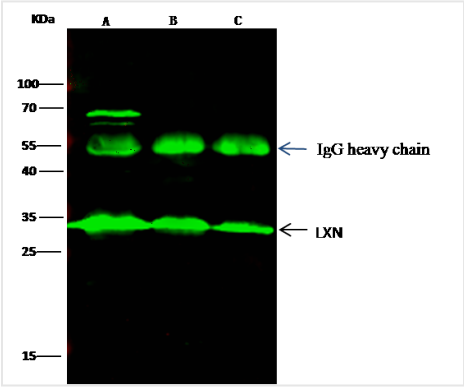
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Latexin/LXN/TCI
Purity/Purification	Protein A & Antigen Affinity
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	Produced in rabbits immunized with purified, recombinant Human Latexin (rh Latexin). Latexin specific IgG was purified by human Latexin 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



WB (Western Blot)
Anti-LXN rabbit polyclonal antibody at 1:500 dilutionLane A: MCF7 Whole Cell LysateLane B: A549 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:26 kDaObserved band size:34 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)
LXN was immunoprecipitated using:Lane A:0.5 mg MCF-7 Whole Cell LysateLane B:0.5 mg A549 Whole Cell LysateLane C:0.5 mg Hela Whole Cell Lysate2 uL anti-LXN rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-LXN rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 25.7 kDaObserved band size: 25.7 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 mammalians 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://www.aaabiotech.com/polyclonal/latexin-antibody-immunoprecipitation-western-blot-elisa/254708