10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Latexin Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1467c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9BS40
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12661
Calculated MW	25750
Antigen Region	78-107

Additional Information

Gene ID	56925
Other Names	Latexin, Endogenous carboxypeptidase inhibitor, ECI, Protein MUM, Tissue carboxypeptidase inhibitor, TCI, LXN
Target/Specificity	This Latexin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-107 amino acids from the Central region of human Latexin.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Latexin Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LXN
Function	Hardly reversible, non-competitive, and potent inhibitor of CPA1, CPA2 and CPA4. May play a role in inflammation.

Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in heart, prostate, ovary, kidney, pancreas, and colon, moderate or low in other tissues including brain

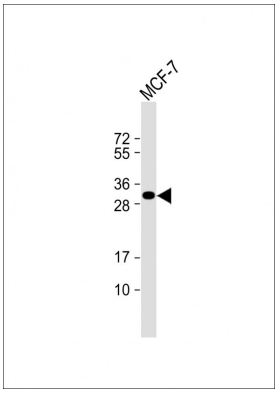
Background

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.

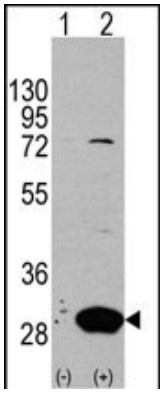
References

Pallares,I., Proc. Natl. Acad. Sci. U.S.A. 102 (11), 3978-3983 (2005)

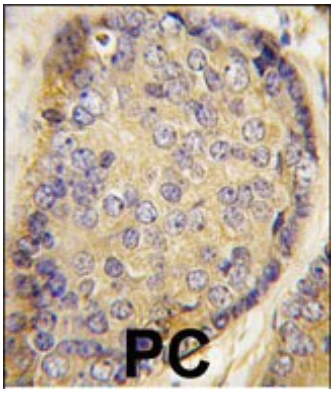
Images



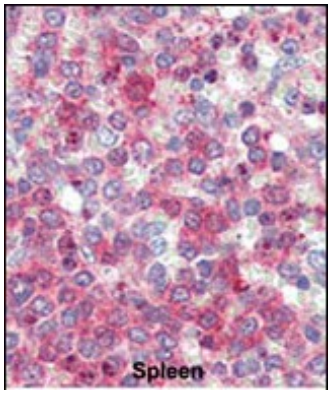
Anti-Latexin Antibody (Center) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



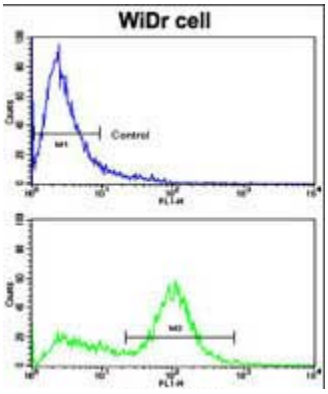
Western blot analysis of Latexin (arrow) using rabbit polyclonal Latexin Antibody (Center) (RB12661). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the LXN gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with Latexin antibody (Center) (Cat.#AP1467c), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Formalin-fixed and paraffin-embedded human Spleen tissue reacted with Latexin antibody (Center) (Cat.#AP1467c), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of WiDr cells using Latexin Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.