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FURIN Antibody (aa740-790)

Rabbit Polyclonal Antibody

Catalog # ALS14903

Specification

FURIN Antibody (aa740-790) - Product Information

Application	**IHC**
Primary Accession	P09958
Reactivity	**Human, Mouse, Rat, Monkey, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**87kDa KDa**

FURIN Antibody (aa740-790) - Additional Information

Gene ID 5045

Other Names
Furin, 3.4.21.75, Dibasic-processing enzyme, Paired basic amino acid residue-cleaving enzyme, PACE, FURIN, FUR, PACE, PCSK3

Target/Specificity
Human FURIN

Reconstitution & Storage
Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

Precautions
FURIN Antibody (aa740-790) is for research use only and not for use in diagnostic or therapeutic procedures.

FURIN Antibody (aa740-790) - Protein Information

Name FURIN {ECO:0000303|PubMed:7690548, ECO:0000312|HGNC:HGNC:8568}

Function
Ubiquitous endoprotease within constitutive secretory pathways capable of cleavage at the RX(K/R)R consensus motif (PubMed:11799113, PubMed:1629222, PubMed:1713771, PubMed:2251280, PubMed:24666235, PubMed:25974265, PubMed:7592877, PubMed:7690548, PubMed:9130696). Mediates processing of TGFB1, an essential step in TGF-beta-1

activation (PubMed:7737999). Converts through proteolytic cleavage the non-functional Brain natriuretic factor prohormone into its active hormone BNP(1-32) (PubMed:20489134, PubMed:21763278). By mediating processing of accessory subunit ATP6AP1/Ac45 of the V-ATPase, regulates the acidification of dense-core secretory granules in islets of Langerhans cells (By similarity).

Cellular Location
Golgi apparatus, trans-Golgi network membrane; Single-pass type I membrane protein. Cell membrane; Single-pass type I membrane protein. Secreted. Endosome membrane; Single-pass type I membrane protein. Note=Shuttles between the trans-Golgi network and the cell surface (PubMed:11799113, PubMed:9412467). Propeptide cleavage is a prerequisite for exit of furin molecules out of the endoplasmic reticulum (ER). A second cleavage within the propeptide occurs in the trans Golgi network (TGN), followed by the release of the propeptide and the activation of furin (PubMed:11799113)

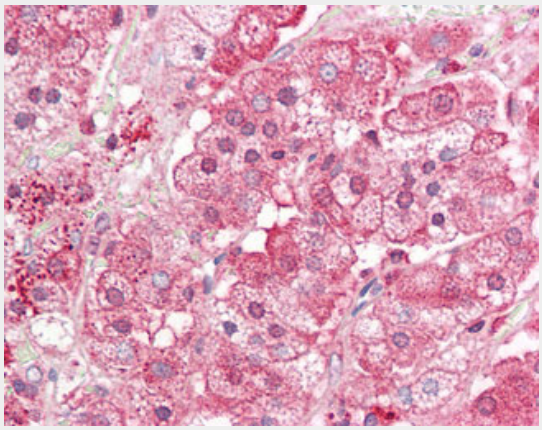
Tissue Location
Seems to be expressed ubiquitously.

FURIN Antibody (aa740-790) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FURIN Antibody (aa740-790) - Images



Anti-FURIN antibody IHC of human adrenal.

FURIN Antibody (aa740-790) - Background

Furin is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX(K/R)R consensus motif.

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Roebroek A.J.M.,et al.EMBO J. 5:2197-2202(1986).