

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 TGFβ1, 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:9412467, PubMed:11799113). 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

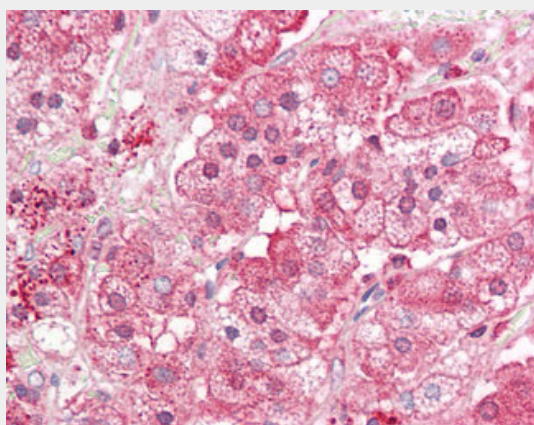
Seems to be expressed ubiquitously.

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 Cytometry](#)
- [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.

FURIN Antibody (aa740-790) - References

van den Ouweland A.M.W.,et al.Nucleic Acids Res. 18:664-664(1990).
Wise R.J.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:9378-9382(1990).
Barr P.J.,et al.DNA Cell Biol. 10:319-328(1991).
Van den Ouweland A.M.W.,et al.Nucleic Acids Res. 17:7101-7102(1989).
Roebroek A.J.M.,et al.EMBO J. 5:2197-2202(1986).