

Datasheet for ABIN6140815
anti-FURIN antibody (AA 120-370)



[Go to Product page](#)

6 Images

Overview

Quantity:	100 µL
Target:	FURIN
Binding Specificity:	AA 120-370
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FURIN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 120-370 of human Furin (NP_002560.1).
Sequence:	QQWYLSGVGTQ RDLNVKAAWA QGYTGHGIVV SILDDGIEKN HPDLAGNYDP GASFDVNDQD PDPQPRYTQM NDNRHGTRCA GEVAAVANNG VCGVGVAYNA RIGGVRMLDG EVTDAVEARS LGLNPNHIHI YSASWGPEDD GKTVDGPARL AEEAFFRGVS QGRGGLGSIF VWASGNGGRE HDSCNCDGYT NSIYTLSSS ATQFGNVPWY SEACSSLAT TYSSGNQNEK QIVTTDLRQK CTESHTGTSA S
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: FURIN

Alternative Name: FURIN ([FURIN Products](#))

Background: This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. It encodes a type 1 membrane bound protease that is expressed in many tissues, including neuroendocrine, liver, gut, and brain. The encoded protein undergoes an initial autocatalytic processing event in the ER and then sorts to the trans-Golgi network through endosomes where a second autocatalytic event takes place and the catalytic activity is acquired. The product of this gene is one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. Some of its substrates include parathyroid hormone, transforming growth factor beta 1 precursor, proalbumin, pro-beta-secretase, membrane type-1 matrix metalloproteinase, beta subunit of pro-nerve growth factor and von Willebrand factor. It is also thought to be one of the proteases responsible for the activation of HIV envelope glycoproteins gp160 and gp140 and may play a role in tumor progression. This gene is located in close proximity to family member proprotein convertase subtilisin/kexin type 6 and upstream of the FES oncogene. Alternative splicing results in multiple transcript variants. FURIN, FUR, PACE, PCSK3, SPC1, furin, Signal Transduction, Cell Biology & Developmental Biology, Cell Adhesion, Cytoskeleton, Ubiquitin, Notch Signaling Pathway, Endocrine & Metabolism, FURIN

Molecular Weight: 86 kDa

Gene ID: 5045

UniProt: [P09958](#)

Pathways: [Notch Signaling](#), [Neurotrophin Signaling Pathway](#)

Application Details

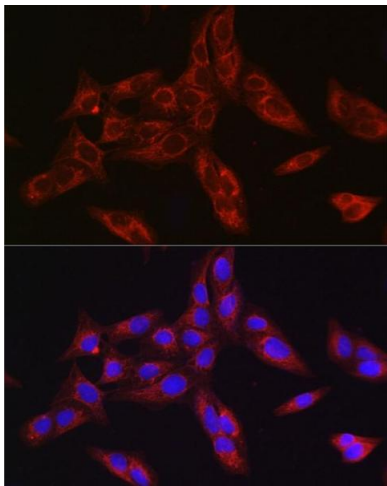
Application Notes: WB, 1:500 - 1:2000, IHC, 1:50 - 1:200, IF, 1:50 - 1:200, IP, 1:50 - 1:200

Restrictions: For Research Use only

Handling

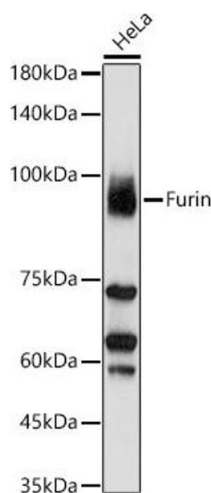
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



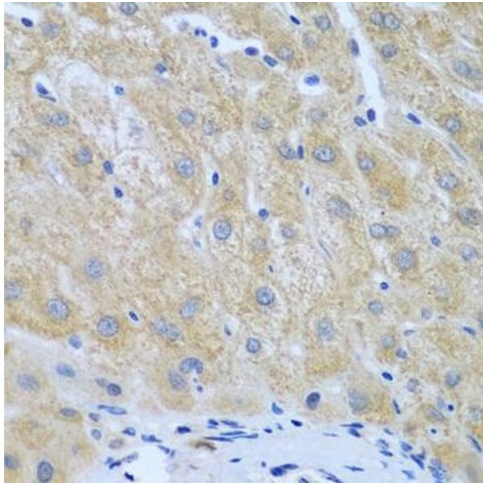
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using Furin Rabbit pAb (ABIN6127933, ABIN6140815, ABIN6140817 and ABIN6223322) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of HeLa cells, using Furin antibody (ABIN6127933, ABIN6140815, ABIN6140817 and ABIN6223322) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human liver cancer using Furin antibody (ABIN6127933, ABIN6140815, ABIN6140817 and ABIN6223322) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6140815.