

Datasheet for ABIN7267277

anti-FURIN antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	FURIN
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This FURIN antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	Furin Rabbit mAb
Immunogen:	A synthesized peptide derived from human Furin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
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

Target Details

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. [provided by RefSeq, Jan 2014],FUR, PACE, PCSK3, SPC1,Cell Adhesion,Cell Biology & Developmental Biology,Cytoskeleton,Endocrine & Metabolism,Notch Signaling Pathway,Signal Transduction,Ubiquitin,FURIN

Molecular Weight: 87kDa

Gene ID: 5045

UniProt: [P09958](#)

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

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

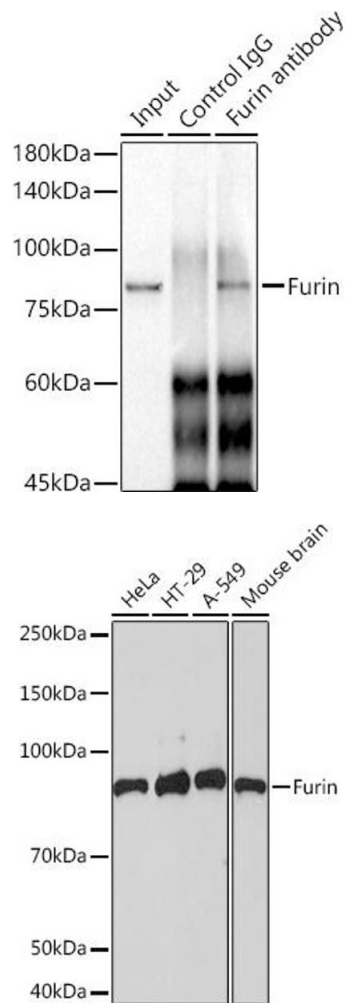
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 300 µg extracts of A-549 cells using 3 µg Furin antibody (ABIN7267277). Western blot was performed from the immunoprecipitate using Furin antibody (ABIN7267277) at a dilution of 1:1000.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Furin Rabbit mAb (ABIN7267277) 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.