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Datasheet for ABIN3042409
anti-FURIN antibody (AA 591-794)

2 Images

Overview

Quantity:	100 µg
Target:	FURIN
Binding Specificity:	AA 591-794
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FURIN antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Furin(FURIN) detection. Tested with WB in Human.
Immunogen:	E.coli-derived human Furin recombinant protein (Position: T591-L794). Human Furin shares 88% amino acid (aa) sequence identity with both mouse and rat Furin.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Furin(FURIN) detection. Tested with WB in Human. Gene Name: furin (paired basic amino acid cleaving enzyme) Protein Name: Furin
Purification:	Immunogen affinity purified.

Target Details

Target: FURIN

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

Background: Furin(Fur), also known as PACE, is a protein that in humans is encoded by the FURIN gene. The protein encoded by this gene is an enzyme which belongs to the subtilisin-like proprotein convertase family. The Furin gene is located approximately 1 kb upstream of the FES gene on chromosome 15q25-q26. This gene is thought to play a role in tumor progression. Furin is one of the proteases responsible for the proteolytic cleavage of HIV envelope polyprotein precursor gp160 to gp120 and gp41 prior to viral assembly. Furin is enriched in the Golgi apparatus, where it functions to cleave other proteins into their mature/active forms. Expression of furin in T-cells is required for maintenance of peripheral immune tolerance.

Synonyms: Dibasic processing enzyme antibody|Dibasic-processing enzyme antibody|FES upstream region antibody|FUR antibody|FURIN antibody|Furin membrane associated receptor protein antibody|FURIN_HUMAN antibody|PACE antibody|Paired basic amino acid residue cleaving enzyme antibody|Paired basic amino acid residue-cleaving enzyme antibody|PCSK3 antibody|Proprotein convertase subtilisin/kexin type 3 antibody|SPC1 antibody

Gene ID: 5045

UniProt: [P09958](#)

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

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for Furin is approximately 0.25 ng/lane under reducing conditions.
Notes: Tested Species: Species with positive results.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

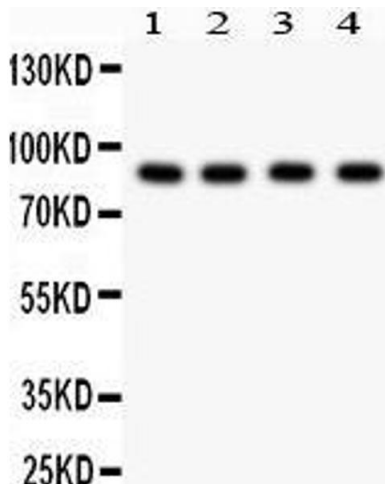
Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Handling

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Validation report #300033 for Immunohistochemistry (IHC)



Western Blotting

Image 1.



Western Blotting

Image 2. Anti- Furin Picoband antibody, Western blotting All lanes: Anti Furin at 0.5ug/ml WB: Recombinant Human Furin Protein 0.5ng Predicted bind size: 40KD Observed bind size: 40KD