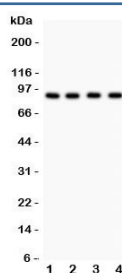


Furin Antibody (R31596)

Catalog No.	Formulation	Size
R31596	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	5045
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Furin antibody is available for research use only.



Western blot testing of Furin antibody and Lane 1: HeLa; 2: MCF-7; 3: COLO320; 4: SW620. Observed molecular weight 90~110 kDa (precursor/mature may be glycosylated).



Western blot testing of Furin antibody and recombinant human protein (0.5ng)

Description

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 gene is located approximately 1 kb upstream of the *FES* gene on chromosome 15q25-q26. Furin is thought to play a role in tumor progression. It 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 in T-cells is required for maintenance of peripheral immune tolerance.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Furin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 591-794) was used as the immunogen for this Furin antibody.

Storage

After reconstitution, the Furin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.