



Anti-Furin Antibody

Alternative Names: FURIN, FUR, PACE, PCSK3, SPC1, furin, paired basic amino acid cleaving enzyme

Catalogue Number: AA17-10036-50ug

Size: 50 µg

Background Information

Furin is a member of the family of proprotein convertases involved in the activation of a large number of zymogens and proproteins. Furin catalyses proteolytic maturation of a diverse repertoire of growth factors, receptors, and enzyme precursors within multiple secretory pathway compartments. Proteolysis by furin is highly specific and occurs at C-terminal to a multibasic recognition motive. Furin is a type I transmembrane protein composed of a signal peptide, a propeptide terminating in an endoproteolytic cleavage site comprised of a cluster of basic residues, a subtilisin-like catalytic domain, a middle domain (also called P-domain), and a cysteine-rich domain, followed by a C-terminal transmembrane anchor and a cytosolic tail. Furin is synthesized as a precursor protein of about 100 kDa that is converted into a 94 kDa protein by autoproteolytic cleavage of the propeptide. Furin is glycosylated and phosphorylated, which results in an increase of its apparent molecular mass in SDS-PAGE to Mr 100 000.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human
Immunogen:	Partial length recombinant human Furin from the C-terminal region of the protein		
Format:	50 µg in 100 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB WB: 2-4 µg/ml		

Additional Information

Subcellular location:	Plasma membrane Extracellular region or secreted Endosome Golgi apparatus	MW:	87kDa (intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	5045	Uniprot ID:	P09958