



Anti-FURIN monoclonal antibody, clone 333823 (DCABY-4072)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This family of serine proteases consists of furin and proprotein convertases encoded by PCSK genes. They are important in a variety of processes. Furin has an essential role in embryogenesis and homeostasis and is implicated in various pathologies such as cancer, neurodegenerative diseases and anthrax. Mutations in the PC1/PCSK1 gene are associated with obesity and impaired prohormone processing.
Specificity	Detects human Furin in ELISAs and Western blots.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Furin. Asp108-Glu715 Accession Number NP_002560
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	333823
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

Preservative	None
Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month from date of receipt, 2 to 8 °C, reconstituted.</p> <p>6 months from date of receipt, -20 to -70 °C, reconstituted.</p>

GENE INFORMATION

Gene Name	FURIN furin (paired basic amino acid cleaving enzyme) [Homo sapiens (human)]
Official Symbol	FURIN
Synonyms	FURIN; furin (paired basic amino acid cleaving enzyme); FUR; PACE; SPC1; PCSK3; furin; FES upstream region; dibasic processing enzyme; furin, membrane associated receptor protein; proprotein convertase subtilisin/kexin type 3; paired basic amino acid resi
Entrez Gene ID	5045
Protein Refseq	NP_001276752
UniProt ID	P09958
Chromosome Location	15q26.1
Pathway	Activation of Matrix Metalloproteinases; Assembly Of The HIV Virion; Collagen degradation; Degradation of the extracellular matrix; Delta-Notch Signaling Pathway; Developmental Biology; Disease; Elastic fibre formation;
Function	endopeptidase activity; metal ion binding; nerve growth factor binding; peptidase activity; peptide binding; protease binding; serine-type endopeptidase activity; serine-type endopeptidase inhibitor activity;