

Recombinant

DGRmAb®

**Furin (DGR16610) Rabbit mAb (PBS Only)**

db14831-PBS

Package : 100µg

**Product Name :** Furin (DGR16610) Rabbit mAb (PBS Only)**Cat.No.:** db14831-PBS**Synonyms :** FUR; PACE; SPC1; PCSK3**Application :** WB, IHC-P, ICC/IF**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

This gene encodes a member of the subtilisin-like proprotein convertase family, which includes 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]

**Immunogen**

Recombinant protein of human Furin

**Gene ID**

5045

**Swiss Prot**

P09958

**Synonyms**

FUR; PACE; SPC1; PCSK3

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:50

ICC/IF: 1:100-1:200

Calculated MW	87 kDa
Observed MW	87 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR16610
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.