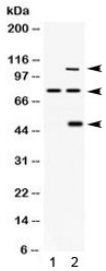
PACE4 Antibody / PCSK6 (R32047)

Catalog No.	Formulation	Size
R32047	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
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
UniProt	P29122
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This PACE4 antibody is available for research use only.



Western blot testing of 1) rat brain and 2) human 293 lysate with PACE4 antibody. Expected molecular weight: ~106/105 kDa (isoforms PACE4A-I/II), ~72 kDa (isoform PACE4C), ~55 kDa (isoform PACE4D).

Description

Proprotein convertase subtilisin/kexin type 6 is an enzyme that in humans is encoded by the PCSK6 gene. 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. The encoded protein undergoes an initial autocatalytic processing event in the ER to generate a heterodimer which exits the ER and sorts to the trans-Golgi network where a second autocatalytic event takes place and the catalytic activity is acquired. The encoded protease is constitutively secreted into the extracellular matrix and expressed in many tissues, including neuroendocrine, liver, gut, and brain. This gene encodes one of the seven basic amino acid-specific members which

cleave their substrates at single or paired basic residues. Some of its substrates include transforming growth factor beta related proteins, proalbumin, and von Willebrand factor. This gene is thought to play a role in tumor progression and left-right patterning. Alternatively spliced transcript variants encoding different isoforms have been identified.

Application Notes

Optimal dilution of the PACE4 antibody should be determined by the researcher.

Immunogen

Amino acids RNPEKQGKLKEWSLILYGTAEHPYHTFSAHQSRSRMLE of human PCSK6/PACE4 were used as the immunogen for the PACE4 antibody.

Storage

After reconstitution, the PACE4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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