

anti-Human, Rat PACE4 Polyclonal Antibody | anti-PACE4 antibody

Anti-PACE4 Antibody

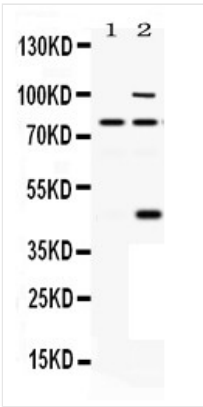
CATALOG # AAA46513	REACTIVITY Human, Rat	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

PRODUCT SYNONYMS

PACE4; Polyclonal Antibody; Anti-PACE4 Antibody; Proprotein convertase subtilisin/kexin type 6; Paired basic amino acid cleaving enzyme 4; Paired basic amino acid cleaving system 4; PCSK6; PCSK6_HUMAN; SPC4; Subtilisin like protease; Subtilisin-like proprotein convertase 4; subtilisin/kexin like protease PACE4; Subtilisin/kexin-like protease PACE4; proprotein convertase subtilisin/kexin type 6; anti-PACE4 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	895
Applicable Applications for anti-PACE4 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PACE4 (614-651aa RNPEKQGKLKEWLSLILYGTAEHPYHTFSAHQSRSRMLE), different from the related rat sequence by two amino acids.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	The lab provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit () in Western Blot (WB).
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti- PACE4 Picoband antibody, AAA46513, Western blottingAll lanes: Anti PACE4 (AAA46513) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: 293T Whole Cell Lysate at 40ugPredicted bind size: 80KD, 45/80/100KDObserved bind size: 80KD, 45/80/100KD

ADDITIONAL INFORMATION

Related Product Information for anti-PACE4 antibody	Background: 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.
References	1. "Entrez Gene: PCSK6 proprotein convertase subtilisin/kexin type 6". 2. Constam DB, Robertson EJ (May 1, 2000). "SPC4/PACE4 regulates a TGFbeta signaling network during axis formation.". Genes & Development 14 (9): 1146-55. 3. Scerri TS, Brandler WM, Paracchini S, Morris AP, Ring SM, Richardson AJ, Talcott JB, Stein J, Monaco AP (Feb 1, 2011). "PCSK6 is associated with handedness in individuals with dyslexia.". Human Molecular Genetics 20 (3): 608-14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	604723363
NCBI GeneID	5046
NCBI Accession #	NP_001278238.1
NCBI GenBank Nucleotide #	NM_001291309.1
UniProt Accession #	P29122; Q15099; Q15100; Q9UEG7; Q9UEJ1; Q9UEJ2; Q9UEJ7; Q9UEJ8; Q9UEJ9; Q9Y4G9; Q9Y4H0; Q9Y4H1
NCBI Official Full Name	proprotein convertase subtilisin/kexin type 6 isoform i preproprotein
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 6
NCBI Official Symbol	PCSK6
NCBI Official Synonym Symbols	SPC4; PACE4
NCBI Protein Information	proprotein convertase subtilisin/kexin type 6
UniProt Protein Name	Proprotein convertase subtilisin/kexin type 6

UniProt Gene Name	PCSK6
UniProt Synonym Gene Names	PACE4; SPC4
UniProt Entry Name	PCSK6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pace4-antibody-western-blot-elisa/46513>