

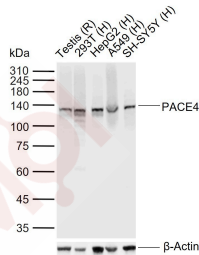
Anti-PCSK6 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human,Rat
Molecular Weight: Theoretical: 91 kDa. Actual: 135 kDa.
Purification: Protein A purified

Applications

Sample:
 Lane 1: Rat Testis tissue lysates
 Lane 2: Human 293T cell lysates
 Lane 3: Human HepG2 cell lysates
 Lane 4: Human A549 cell lysates
Verified Activity:
 Lane 5: Human SH-SY5Y cell lysates
Primary: Anti-PACE4 (TMAB-01344) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 91 kDa
Observed band size: 135 kDa



Application: ELISA,WB
Recommended WB: 1:500-2000; ELISA: 1:5000-10000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PACE4
Antigen Species: Human
Gene ID: 5046
Uniprot ID: P29122
Synonyms: Subtilisin/kexin-like protease PACE4;PCSK6;PACE4;Subtilisin-like proprotein convertase 4 (SPC4);Proprotein convertase subtilisin/kexin type 6;Paired basic amino acid cleaving enzyme 4
Biology Area: Proprotein Convertases

Research 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. 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. [provided by RefSeq, Feb 2014]

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