

**PACE4 / PCSK6 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10979****Specification**

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**PACE4 / PCSK6 Antibody (Internal) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">P29122</a> |
| Reactivity        | Human, Rabbit          |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 106kDa KDa             |

**PACE4 / PCSK6 Antibody (Internal) - Additional Information****Gene ID** 5046**Other Names**

Proprotein convertase subtilisin/kexin type 6, 3.4.21.-, Paired basic amino acid cleaving enzyme 4, Subtilisin-like proprotein convertase 4, SPC4, Subtilisin/kexin-like protease PACE4, PCSK6, PACE4

**Target/Specificity**

Human PACE4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

PACE4 / PCSK6 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**PACE4 / PCSK6 Antibody (Internal) - Protein Information****Name** PCSK6**Synonyms** PACE4**Function**

Serine endoprotease that processes various proproteins by cleavage at paired basic amino acids, recognizing the RXXX[KR]R consensus motif. Likely functions in the constitutive secretory pathway, with unique restricted distribution in both neuroendocrine and non-neuroendocrine tissues.

**Cellular Location**

[Isoform PACE4A-I]: Secreted. [Isoform PACE4C]: Endoplasmic reticulum. Note=Not secreted, remains probably in zymogen form in endoplasmic reticulum [Isoform PACE4E-I]: Endomembrane system; Peripheral membrane protein. Note=Retained intracellularly probably through a

hydrophobic cluster in their C-terminus [Isoform PACE4B]: Secreted.

#### **Tissue Location**

Each PACE4 isoform exhibits a unique restricted distribution. Isoform PACE4A-I is expressed in heart, brain, placenta, lung, skeletal muscle, kidney, pancreas, but at comparatively higher levels in the liver. Isoform PACE4A-II is at least expressed in placenta. Isoform PACE4B was only found in the embryonic kidney cell line from which it was isolated. Isoform PACE4C and isoform PACE4D are expressed in placenta. Isoform PACE4E-I is expressed in cerebellum, placenta and pituitary. Isoform PACE4E-II is at least present in cerebellum

#### **Volume**

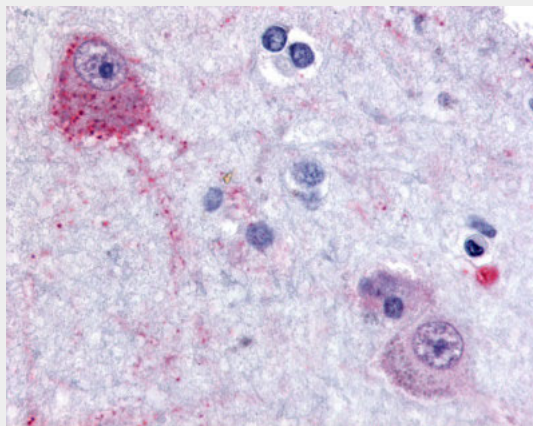
50 µl

### **PACE4 / PCSK6 Antibody (Internal) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **PACE4 / PCSK6 Antibody (Internal) - Images**



Anti-PACE4 antibody ALS10979 IHC of human brain, cortex.

### **PACE4 / PCSK6 Antibody (Internal) - Background**

Likely to represent an endoprotease activity within the constitutive secretory pathway, with unique restricted distribution in both neuroendocrine and non-neuroendocrine tissues and capable of cleavage at the RX(K/R)R consensus motif.

### **PACE4 / PCSK6 Antibody (Internal) - References**

Kiefer M.C.,et al.DNA Cell Biol. 10:757-769(1991).  
Tsuji A.,et al.Biochem. Biophys. Res. Commun. 200:943-950(1994).  
Tsuji A.,et al.Biochem. Biophys. Res. Commun. 204:1381-1382(1994).

Mori K.,et al.Submitted (SEP-1996) to the EMBL/GenBank/DDBJ databases.  
Mori K.,et al.J. Biochem. 121:941-948(1997).