

Product datasheet

Anti-PACE4 antibody ab58226

1 Image

Overview

Product name	Anti-PACE4 antibody
Description	Mouse monoclonal to PACE4
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment, corresponding to amino acids 860-970 of Human PACE4

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab58226** in the following tested applications.

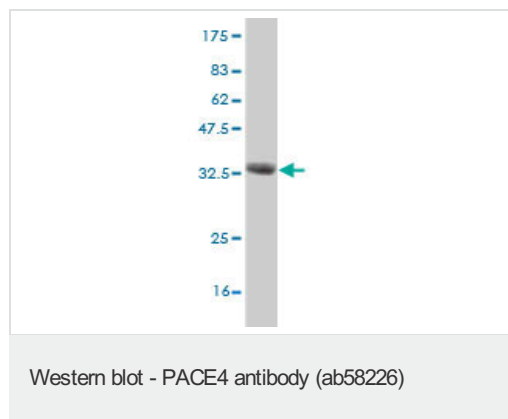
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

Target

Function	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.
Tissue specificity	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.
Sequence similarities	Belongs to the peptidase S8 family. Contains 1 homo B/P domain. Contains 1 PLAC domain.
Domain	The propeptide domain acts as an intramolecular chaperone assisting the folding of the zymogen within the endoplasmic reticulum. Isoform PACE4D lacks the propeptide domain.
Cellular localization	Secreted; Endomembrane system. Retained intracellularly probably through a hydrophobic cluster in their C-terminus and Endoplasmic reticulum. Not secreted, remains probably in zymogen form in endoplasmic reticulum.

Images



Western blot against tagged recombinant protein immunogen using ab58226 PACE4 antibody at 1ug/ml. Predicted band size of immunogen is 38 kDa

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