

RCE1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2416a**Specification**

RCE1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y256](#)**RCE1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9986**Other Names**

CAAX prenyl protease 2, 3422-, Farnesylated proteins-converting enzyme 2, FACE-2, Prenyl protein-specific endoprotease 2, RCE1 homolog, hRCE1, RCE1, FACE2, RCE1A, RCE1B

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2416a](/product/products/AP2416a) was selected from the N-term region of human RCE1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RCE1 Antibody (N-term) Blocking Peptide - Protein Information**Name** RCE1**Synonyms** FACE2, RCE1A, RCE1B**Function**

Protease involved in the processing of a variety of prenylated proteins containing the C-terminal CAAX motif, where C is a cysteine modified with an isoprenoid lipid, A is an aliphatic amino acid and X is any C-terminal amino acid. Proteolytically removes the C-terminal three residues of farnesylated and geranylated proteins, leaving the prenylated cysteine as the new C-terminus. Is able to process K-Ras, N-Ras, H-Ras, RAP1B and G-gamma-1 (PubMed:[10085068](http://www.uniprot.org/citations/10085068)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Ubiquitous..

RCE1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RCE1 Antibody (N-term) Blocking Peptide - Images**RCE1 Antibody (N-term) Blocking Peptide - Background**

RCE1 is an integral membrane protein which is classified as a member of the metalloproteinase family. This enzyme is thought to function in the maintenance and processing of CAAX-type prenylated proteins.

RCE1 Antibody (N-term) Blocking Peptide - References

Maske, C.P., et al., J. Cell Biol. 162(7):1223-1232 (2003).Hollander, I.J., et al., Biochim. Biophys. Acta 1649(1):24-29 (2003).Freije, J.M., et al., Genomics 58(3):270-280 (1999).Otto, J.C., et al., J. Biol. Chem. 274(13):8379-8382 (1999).