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TMPRSS9 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP14011a

Specification

TMPRSS9 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q7Z410

TMPRSS9 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 360200

Other Names
Transmembrane protease serine 9, 3421-, Polyserase-I, Polyserine protease 1, Polyserase-1, Serase-1, Serase-2, Serase-3, TMPRSS9

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP14011a was selected from the N-term region of TMPRSS9. 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.

TMPRSS9 Antibody (N-term) Blocking peptide - Protein Information

Name TMPRSS9

Function
Serase-1 and serase-2 are serine proteases that hydrolyze the peptides N-t-Boc-Gln-Ala-Arg-AMC and N-t-Boc-Gln-Gly-Arg-AMC. In contrast, N-t-Boc-Ala-Phe-Lys-AMC and N-t-Boc-Ala-Pro-Ala-AMC are not significantly hydrolyzed.

Cellular Location
Cell membrane; Single-pass type II membrane protein

Tissue Location
Expressed in fetal human tissues, such as kidney, liver, lung and brain, and in a variety of tumor cell lines. Weakly expressed in adult tissues including skeletal muscle, liver, placenta and heart.

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TMPRSS9 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

TMPRSS9 Antibody (N-term) Blocking peptide - Images

TMPRSS9 Antibody (N-term) Blocking peptide - Background

Serase-1 and serase-2 are serine proteases that hydrolyze the peptides N-t-Boc-Gln-Ala-Arg-AMC and N-t-Boc-Gln-Gly-Arg-AMC. In contrast, N-t-Boc-Ala-Phe-Lys-AMC and N-t-Boc-Ala-Pro-Ala-AMC are not significantly hydrolyzed.

TMPRSS9 Antibody (N-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Okumura, Y., et al. Biochem. J. 400(3):551-561(2006)Cal, S., et al. Proc. Natl. Acad. Sci. U.S.A. 100(16):9185-9190(2003)Cal, S., et al. Proc. Natl. Acad. Sci. U.S.A. 100(16):9185-9190(2003)