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TSPAN5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9223b

Specification

TSPAN5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P62079

TSPAN5 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 10098

Other Names
Tetraspanin-5, Tspan-5, Tetraspan NET-4, Transmembrane 4 superfamily member 9, TSPAN5, TM4SF9

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9223b was selected from the C-term region of human TSPAN5. 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.

TSPAN5 Antibody (C-term) Blocking Peptide - Protein Information

Name TSPAN5 (HGNC:17753)

Synonyms TM4SF9

Function
Part of TspanC8 subgroup, composed of 6 members that interact with the transmembrane metalloprotease ADAM10. This interaction is required for ADAM10 exit from the endoplasmic reticulum and for enzymatic maturation and trafficking to the cell surface as well as substrate specificity. Different TspanC8/ADAM10 complexes have distinct substrates (PubMed:26686862, PubMed:28600292, PubMed:37516108). Promotes ADAM10-mediated cleavage of CD44 (PubMed:26686862). Seems to

regulate VE-cadherin expression in endothelial cells probably through interaction with ADAM10, promoting leukocyte transmigration (PubMed:28600292).

Cellular Location
Cell membrane; Multi-pass membrane protein

TSPAN5 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

TSPAN5 Antibody (C-term) Blocking Peptide - Images

TSPAN5 Antibody (C-term) Blocking Peptide - Background

The protein is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility.

TSPAN5 Antibody (C-term) Blocking Peptide - References

Berditchevski,F. J. Cell. Sci. 114 (PT 23), 4143-4151 (2001)Serru,V., et.al., Biochim. Biophys. Acta 1478 (1), 159-163 (2000)