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TSPAN33 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9397b

Specification

TSPAN33 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q86UF1

TSPAN33 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 340348

Other Names
Tetraspanin-33, Tspan-33, Penumbra, hPen, Proerythroblast new membrane, TSPAN33, PEN

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.

TSPAN33 Antibody (C-term) Blocking Peptide - Protein Information

Name TSPAN33 (HGNC:28743)

Synonyms PEN

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:30463011, PubMed:37516108). Plays an important role in normal erythropoiesis (By similarity). It has a role in the differentiation of erythroid progenitors (By similarity). Negatively regulates ligand-induced Notch activity probably by regulating ADAM10 activity (PubMed:26686862). Mediates docking of ADAM10 to zonula adherens by interacting with ADAM10 and, in a PDZD11- dependent manner, with the zonula adherens protein PLEKHA7 (PubMed:30463011).

Cellular Location
Cell membrane; Multi-pass membrane protein. Cell junction, adherens junction. Cytoplasm.

Note=Is localized to zonula adherens by PLEKHA7 by a PDZD11-dependent interaction

Tissue Location
Predominantly expressed in erythroblasts.

TSPAN33 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

TSPAN33 Antibody (C-term) Blocking Peptide - Images

TSPAN33 Antibody (C-term) Blocking Peptide - Background

TSPAN33 plays an important role in normal erythropoiesis. It has a role in the differentiation of erythroid progenitors.

TSPAN33 Antibody (C-term) Blocking Peptide - References

Heikens, M.J., et al. Blood 109(8):3244-3252(2007)Huang, S., et al. Genomics 86(6):674-684(2005)Chen, Z., et al. Cancer Genet. Cytogenet. 162(2):95-98(2005)