10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TSPAN33 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9397B

Specification

TSPAN33 Antibody (C-term) - Product Information

Application	**FC, IHC-P, WB,E**
Primary Accession	Q86UF1
Other Accession	Q8R3S2, Q3SYV5
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**31538**
Antigen Region	**254-283**

TSPAN33 Antibody (C-term) - Additional Information

Gene ID 340348

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

Target/Specificity
This TSPAN33 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 254-283 amino acids from the C-terminal region of human TSPAN33.

Dilution
FC~~1:10~50
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TSPAN33 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TSPAN33 Antibody (C-term) - Protein Information

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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

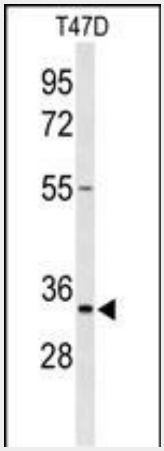
Tissue Location
Predominantly expressed in erythroblasts.

TSPAN33 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TSPAN33 Antibody (C-term) - Images



Western blot analysis of TSPAN33 Antibody (C-term) (Cat. #AP9397b) in T47D cell line lysates (35ug/lane). TSPAN33 (arrow) was detected using the purified Pab.

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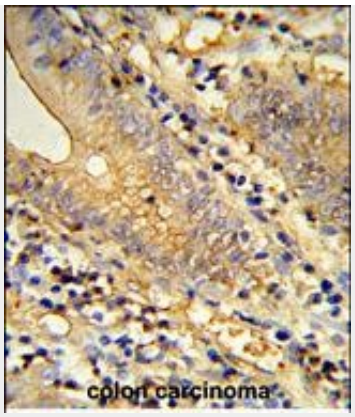
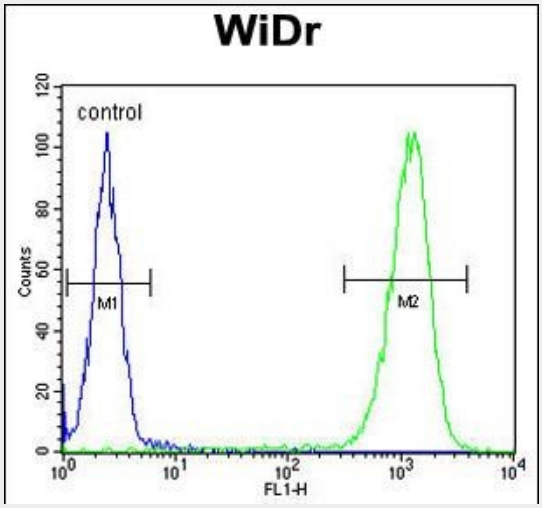


Formalin-fixed and paraffin-embedded human colon carcinoma reacted with TSPAN33 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



TSPAN33 Antibody (C-term) (Cat. #AP9397b) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TSPAN33 Antibody (C-term) - Background

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

TSPAN33 Antibody (C-term) - 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)