

TSPAN7 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP4874c

Specification

TSPAN7 Antibody (Center) - Product Information

Application FC, WB, E **Primary Accession** P41732 Other Accession Q62283 Reactivity Human Predicted Mouse Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 27574 Antigen Region 98-124

TSPAN7 Antibody (Center) - Additional Information

Gene ID 7102

Other Names

Tetraspanin-7, Tspan-7, Cell surface glycoprotein A15, Membrane component chromosome X surface marker 1, T-cell acute lymphoblastic leukemia-associated antigen 1, TALLA-1, Transmembrane 4 superfamily member 2, CD231, TSPAN7, A15, DXS1692E, MXS1, TM4SF2

Target/Specificity

This TSPAN7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-124 amino acids from the Central region of human TSPAN7.

Dilution

FC~~1:10~50 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.

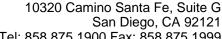
Storage

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

TSPAN7 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

TSPAN7 Antibody (Center) - Protein Information





Tel: 858.875.1900 Fax: 858.875.1999

Name TSPAN7

Synonyms A15, DXS1692E, MXS1, TM4SF2

Function May be involved in cell proliferation and cell motility.

Cellular Location

Membrane; Multi-pass membrane protein.

Tissue Location

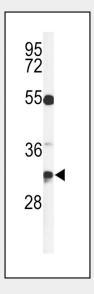
Not solely expressed in T-cells. Expressed in acute myelocytic leukemia cells of some patients

TSPAN7 Antibody (Center) - Protocols

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

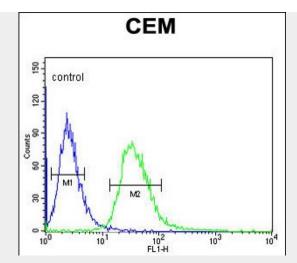
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

TSPAN7 Antibody (Center) - Images



Western blot analysis of TSPAN7 Antibody (Center) (Cat. #AP4874c) in CEM cell line lysates (35ug/lane). TSPAN7 (arrow) was detected using the purified Pab.





TSPAN7 Antibody (Center) (Cat. #AP4874c) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TSPAN7 Antibody (Center) - Background

TSPAN7 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. This encoded protein is a cell surface glycoprotein and may have a role in the control of neurite outgrowth. It is known to complex with integrins. This gene is associated with X-linked mental retardation and neuropsychiatric diseases such as Huntington's chorea, fragile X syndrome and myotonic dystrophy.

TSPAN7 Antibody (Center) - References

Radhakrishnan, Y., et al. Biol. Reprod. 81(4):647-656(2009) Guilmatre, A., et al. Arch. Gen. Psychiatry 66(9):947-956(2009) Noor, A., et al. Psychiatr. Genet. 19(3):154-155(2009)