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TSPAN2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9321c

Product Information

Application	WB, FC, E
Primary Accession	O60636
Reactivity	Human
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23467
Calculated MW	24148
Antigen Region	109-137

Additional Information

Gene ID	10100
Other Names	Tetraspanin-2, Tspan-2, Tetraspan NET-3, TSPAN2
Target/Specificity	This TSPAN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 109-137 amino acids from the Central region of human TSPAN2.
Dilution	WB~~1:1000 FC~~1:10~50 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	TSPAN2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TSPAN2
Function	May play a role in signaling in oligodendrocytes in the early stages of their terminal differentiation into myelin-forming glia and may also function in stabilizing the mature sheath.

Cellular Location Membrane; Multi-pass membrane protein

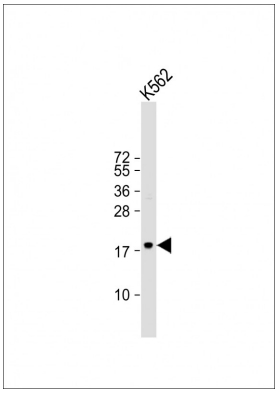
Background

TSPAN2 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.

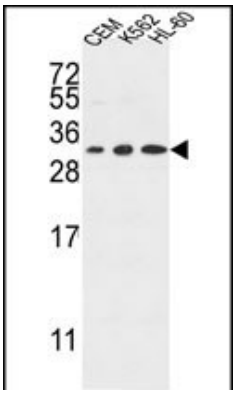
References

Davila,S., et.al., Genes Immun. 11 (3), 232-238 (2010)
Hemler,M.E. J. Cell Biol. 155 (7), 1103-1107 (2001)
Berditchevski,F. J. Cell. Sci. 114 (PT 23), 4143-4151 (2001)

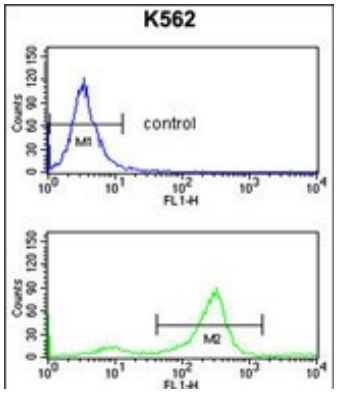
Images



Anti-TSPAN2 Antibody (Center) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



TSPAN2 Antibody (Center) (Cat. #AP9321c) western blot analysis in CEM,K562,HL-60 cell line lysates (35ug/lane).This demonstrates the TSPAN2 antibody detected the TSPAN2 protein (arrow).



TSPAN2 Antibody (Center) (Cat. #AP9321c) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.