

# TSPAN2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9321c

## Product Information

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<b>Application</b>	WB, FC, E
<b>Primary Accession</b>	<a href="#">O60636</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB23467
<b>Calculated MW</b>	24148
<b>Antigen Region</b>	109-137

## Additional Information

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<b>Gene ID</b>	10100
<b>Other Names</b>	Tetraspanin-2, Tspan-2, Tetraspan NET-3, TSPAN2
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	TSPAN2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	TSPAN2
<b>Function</b>	May play a role in signalling in oligodendrocytes in the early stages of their terminal differentiation into myelin-forming glia and may also function in stabilizing the mature sheath.
<b>Cellular Location</b>	Membrane; Multi-pass membrane protein

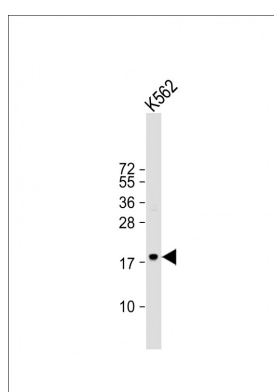
## Background

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.

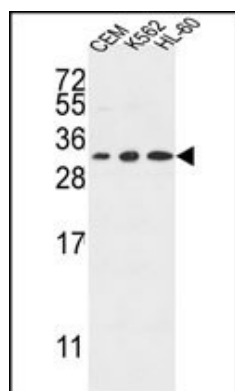
## References

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)

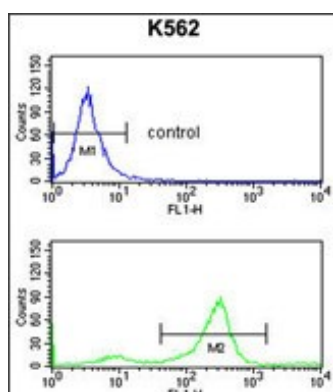
## Images



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.