

TSPAN3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5559c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	O60637
Other Accession	Q9QY33 , Q3SZR9 , NP_005715.1
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26819
Calculated MW	28018
Antigen Region	90-117

Additional Information

Gene ID	10099
Other Names	Tetraspanin-3, Tspan-3, Tetraspanin TM4-A, Transmembrane 4 superfamily member 8, TSPAN3, TM4SF8
Target/Specificity	This TSPAN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-117 amino acids from the Central region of human TSPAN3.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	TSPAN3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TSPAN3
Synonyms	TM4SF8

Function Regulates the proliferation and migration of oligodendrocytes, a process essential for normal myelination and repair.

Cellular Location Membrane; Multi-pass membrane protein

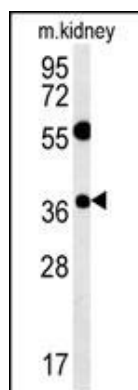
Background

The protein encoded by this gene 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. The use of alternate polyadenylation sites has been found for this gene.

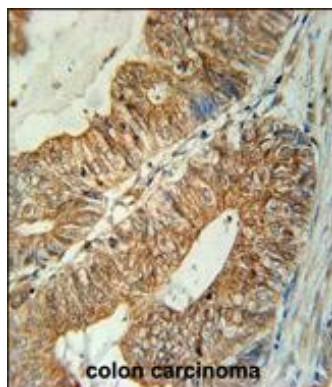
References

Berditchevski, F. J. Cell. Sci. 114 (PT 23), 4143-4151 (2001) :
Todd, S.C., et al. Biochim. Biophys. Acta 1399(1):101-104(1998)
Wu, Y.J., et al. J. Biol. Chem. 266(26):17566-17572(1991)

Images



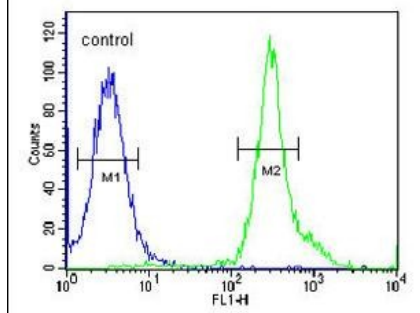
TSPAN3 Antibody (Center) (Cat. #AP5559c) western blot analysis in mouse kidney tissue lysates (15ug/lane). This demonstrates the TSPAN3 antibody detected TSPAN3 protein (arrow).



TSPAN3 Antibody (Center) (Cat. #AP5559c) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TSPAN3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

TSPAN3 Antibody (Center) (Cat. #AP5559c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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