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

TSPAN12 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8693b

Specification

TSPAN12 Antibody (C-term) - Product Information

Application	**FC, IHC-P, WB,E**
Primary Accession	Q95859
Other Accession	Q569A2, Q8BKT6, Q29RH7
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**35383**
Antigen Region	**232-259**

TSPAN12 Antibody (C-term) - Additional Information

Gene ID 23554

Other Names
Tetraspanin-12, Tspan-12, Tetraspan NET-2, Transmembrane 4 superfamily member 12, TSPAN12, NET2, TM4SF12

Target/Specificity
This TSPAN12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 232-259 amino acids from the C-terminal region of human TSPAN12.

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
TSPAN12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TSPAN12 Antibody (C-term) - Protein Information

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Name TSPAN12

Synonyms NET2, TM4SF12

Function Regulator of cell surface receptor signal transduction. Plays a central role in retinal vascularization by regulating norrin (NDP) signal transduction. Acts in concert with norrin (NDP) to promote FZD4 multimerization and subsequent activation of FZD4, leading to promote accumulation of beta-catenin (CTNNB1) and stimulate LEF/TCF-mediated transcriptional programs. Suprisingly, it only activates the norrin (NDP)-dependent activation of FZD4, while it does not activate the Wnt- dependent activation of FZD4, suggesting the existence of a Wnt- independent signaling that also promote accumulation the beta-catenin (CTNNB1) (By similarity). Acts as a regulator of membrane proteinases such as ADAM10 and MMP14/MT1-MMP. Activates ADAM10-dependent cleavage activity of amyloid precursor protein (APP). Activates MMP14/MT1-MMP- dependent cleavage activity.

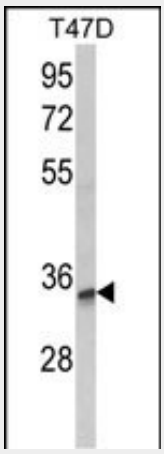
Cellular Location
Cell membrane; Multi-pass membrane protein

TSPAN12 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

TSPAN12 Antibody (C-term) - Images



Western blot analysis of TSPAN12 Antibody (C-term) (Cat. #AP8693b) in T47D cell line lysates (35ug/lane). TSPAN12 (arrow) was detected using the purified Pab.

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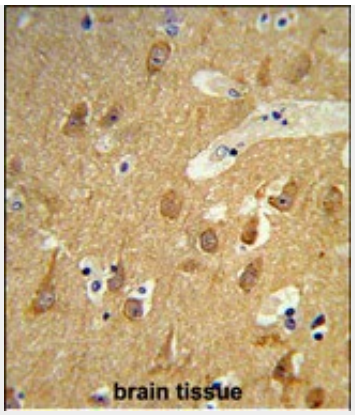
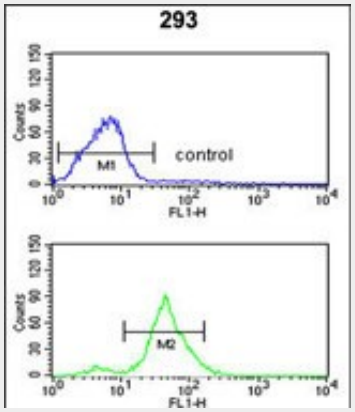


Formalin-fixed and paraffin-embedded human brain tissue reacted with TSPAN12 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



TSPAN12 Antibody (C-term) (Cat. #AP8693b) flow cytometric analysis of 293 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TSPAN12 Antibody (C-term) - Background

TSPAN12 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.

TSPAN12 Antibody (C-term) - References

Xu,D., et.al., FASEB J. 23 (11), 3674-3681 (2009)
Berditchevski,F.et.al., J. Cell. Sci. 114 (PT 23), 4143-4151 (2001)