

## **TSPAN1** Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP8693c

## **Specification**

#### **TSPAN1** Antibody (Center) - Product Information

**Application** WB, IHC-P, FC,E **Primary Accession** 060635 NP 005718.2 Other Accession Human, Mouse Reactivity Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Antigen Region 140-167

## TSPAN1 Antibody (Center) - Additional Information

#### **Gene ID** 10103

#### **Other Names**

Tetraspanin-1, Tspan-1, Tetraspan NET-1, Tetraspanin TM4-C, TSPAN1

# **Target/Specificity**

This TSPAN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-167 amino acids of human TSPAN1.

#### **Dilution**

WB~~1:1000 IHC-P~~1:50~100 FC~~1:10~50

#### **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**

TSPAN1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## **TSPAN1** Antibody (Center) - Protein Information

### Name TSPAN1

## **Cellular Location**



Lysosome membrane; Multi-pass membrane protein

# **TSPAN1** Antibody (Center) - Protocols

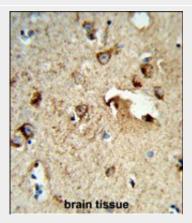
Provided below are standard protocols that you may find useful for product applications.

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

## TSPAN1 Antibody (Center) - Images

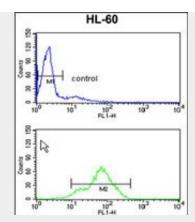
| m.heart<br>72<br>55 |
|---------------------|
| 36                  |
| 28■◀                |
| 17                  |

Western blot analysis of TSPAN1 Antibody (Center) (Cat. #AP8693c) in mouse heart tissue lysates (35ug/lane). TSPAN1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with TSPAN1 Antibody (Center), 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.





TSPAN1 Antibody (Center) (Cat. #AP8693c) flow cytometry analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

## TSPAN1 Antibody (Center) - Background

TSPAN1 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.

## **TSPAN1 Antibody (Center) - 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)