

TSPAN9 Antibody

Catalog # ASC11044

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	O75954
Other Accession	NP_006666 , 5729941
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	26779
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TSPAN9 antibody can be used for detection of TSPAN9 by Western blot at 1 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	10867
Other Names	Tetraspanin-9, Tspan-9, Tetraspan NET-5, TSPAN9, NET5
Target/Specificity	TSPAN9;
Reconstitution & Storage	TSPAN9 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	TSPAN9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TSPAN9
Synonyms	NET5
Cellular Location	Membrane; Multi-pass membrane protein. Note=Colocalizes with GP6 in tetraspanin microdomains on the platelet surface.
Tissue Location	Expressed in megakaryocytes and platelets (at protein level).

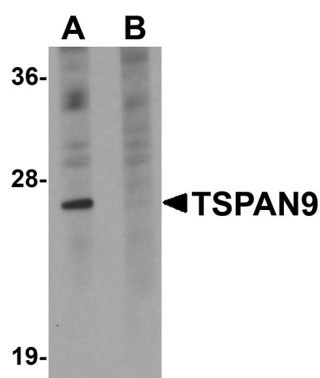
Background

TSPAN9 Antibody: The tetraspan family protein members are characterized by four predicted transmembrane domains and are thought to be involved in physiological processes such as tissue differentiation, immunological responses, and sperm-egg fusion. TSPAN9 has recently been identified as a platelet tetraspanin and a component of tetraspanin microdomains that include the collagen receptor GPVI (glycoprotein VI) and integrin $\alpha 6\beta 1$ but not the von Willebrand receptor GPIb α or the integrins $\alpha IIb\beta 3$ or $\alpha 2\beta 1$, suggesting that TSPAN9 may act to regulate platelet function in concert with other tetraspanins and their associated proteins.

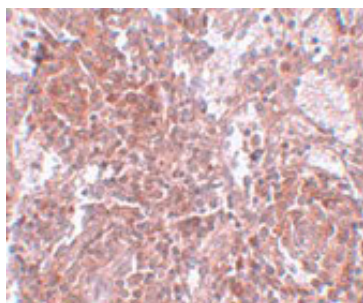
References

Berditchevski F and Odintsova E. Tetraspanins as regulators of protein trafficking. *Traffic* 2007; 8:89-96.
Serru V, Dessen P, Boucheix C, et al. Sequence and expression of seven new tetraspans. *Biochim. Biophys. Acta* 2000; 1478:159-63.
Protsy MB, Watkins NA, Colombo D, et al. Identification of Tspan9 as a novel platelet tetraspanin and the collagen receptor GPVI as a component of tetraspanin microdomains. *Biochem. J.* 2009; 417:391-400.

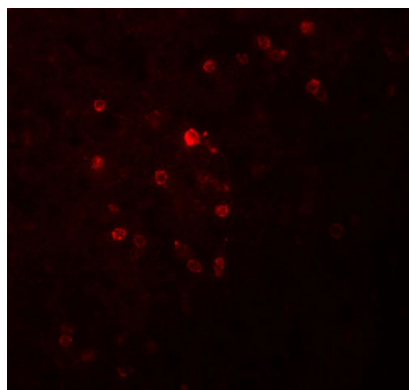
Images



Western blot analysis of TSPAN9 in EL4 cell lysate with TSPAN9 antibody at 1 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of TSPAN9 in human spleen tissue with TSPAN9 antibody at 2.5 $\mu\text{g/mL}$.



Immunofluorescence of TSPAN9 in human spleen tissue with TSPAN9 antibody at 20 $\mu\text{g/mL}$.