10320 Camino Santa Fe, Suite G
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TSPAN9 Antibody
Catalog # ASC11044

Specification

TSPAN9 Antibody - Product Information

Application	**WB, IHC-P, IF, E**
Primary Accession	O75954
Other Accession	NP_006666, 5729941
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**TSPAN9 antibody can be used for detection of TSPAN9 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.**

TSPAN9 Antibody - Additional Information

Gene ID	**10867**

Target/Specificity
TSPAN9;

Reconstitution & Storage
TSPAN9 antibody can be stored at 4℃ for three months and -20℃, 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.

TSPAN9 Antibody - 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).

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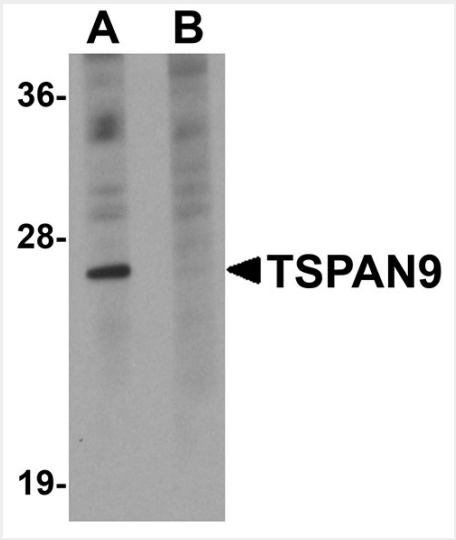
TSPAN9 Antibody - Protocols

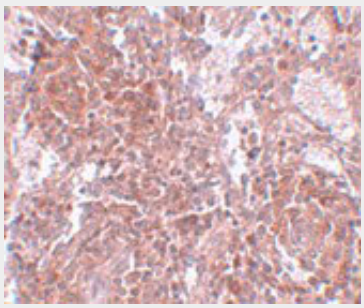
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TSPAN9 Antibody - Images



Western blot analysis of TSPAN9 in EL4 cell lysate with TSPAN9 antibody at 1 µg/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 µg/mL.

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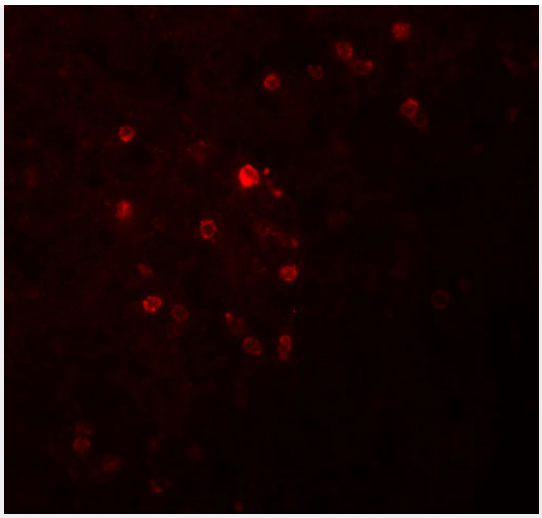

Immunofluorescence of TSPAN9 in human spleen tissue with TSPAN9 antibody at 20 µg/mL.

TSPAN9 Antibody - 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 alpha6beta1 but not the von Willebrand receptor GPIbalpha or the integrins alphaIIbbeta3 or alpha2beta1, suggesting that TSPAN9 may act to regulate platelet function in concert with other tetraspanins and their associated proteins.

TSPAN9 Antibody - References

Berditchevski F and Odintsova E. Tetraspanins as regulators of protein trafficking. Traffic2007; 8:89-96.
Serru V, Dessen P, Boucheix C, et al. Sequence and expression of seven new tetraspans. Biochim. Biophys. Acta2000; 1478:159-63.
Protty 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.