

Rabbit TSPAN7 Polyclonal Antibody | anti-TSPAN7 antibody

TSPAN7 Antibody (Center)

CATALOG # AAA286454	HOST Rabbit	REACTIVITY Human Predicted Reactivity: Mouse	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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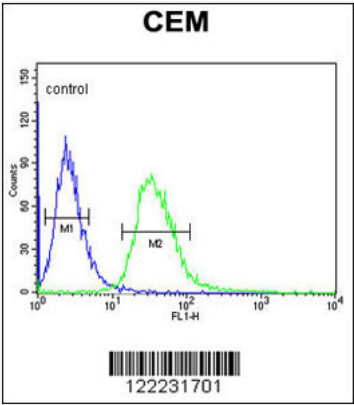
PRODUCT SYNONYMS

TSPAN7; Polyclonal Antibody; TSPAN7 Antibody (Center); Tetraspanin-7; Tspan-7; Cell surface glycoprotein A15; Membrane component chromosome X surface marker 1; T-cell acute lymphoblastic leukemia-associated antigen 1; TALLA-1; Transmembrane 4 superfamily member 2; CD231; A15; DXS1692E; MXS1; TM4SF2; anti-TSPAN7 antibody

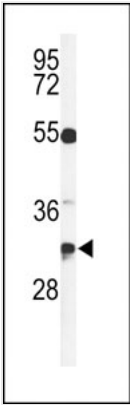
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TSPAN7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-124 amino acids from the Central region of human TSPAN7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	98-124
Sequence Length	249
Applicable Applications for anti-TSPAN7 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Function	May be involved in cell proliferation and cell motility.
Cellular location	Membrane; Multi-pass membrane protein.
Tissue location	Not solely expressed in T-cells. Expressed in acute myelocytic leukemia cells of some patients.
Preparation and Storage	Maintain refrigerated at 2-8°C weeks for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
TSPAN7 Antibody (Center) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of TSPAN7 Antibody (Center) in CEM cell line lysates (35ug/lane). TSPAN7 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TSPAN7 antibody	TSPAN7 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. This encoded protein is a cell surface glycoprotein and may have a role in the control of neurite outgrowth. It is known to complex with integrins. This gene is associated with X-linked mental retardation and neuropsychiatric diseases such as Huntington's chorea, fragile X syndrome and myotonic dystrophy.
Product Categories/Family for anti-TSPAN7 antibody	Signal Transduction
References	Radhakrishnan, Y., et al. Biol. Reprod. 81(4):647-656(2009) Guilmatre, A., et al. Arch. Gen. Psychiatry 66(9):947-956(2009) Noor, A., et al. Psychiatr. Genet. 19(3):154-155(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21265104
NCBI GeneID	7102
NCBI Accession #	NP_004606.2
NCBI GenBank Nucleotide #	NM_004615.3
UniProt Accession #	P41732; Q8WVG5; Q9UEY9; B2R5W7; D3DWB1
Molecular Weight	Calculated MW: 27574
NCBI Official Full Name	tetraspanin-7
NCBI Official Synonym Full Names	tetraspanin 7
NCBI Official Symbol	TSPAN7
NCBI Official Synonym Symbols	A15; MXS1; CD231; MRX58; CCG-B7; TM4SF2; TALLA-1; TM4SF2b; DXS1692E
NCBI Protein Information	tetraspanin-7
UniProt Protein Name	Tetraspanin-7
UniProt Gene Name	TSPAN7
UniProt Synonym Gene Names	A15; DXS1692E; MXS1; TM4SF2; Tspan-7; TALLA-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tspan7-antibody-flow-cytometry-western-blot-elisa/286454>