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TSPAN17 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59252

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96FV3
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30264
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TSPAN17/FBX23
Epitope Specificity	161-260/270
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Multi-pass membrane protein.
SIMILARITY	Belongs to the tetraspanin (TM4SF) family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	TSPAN17 belongs to the tetraspanin (TM4SF) 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. There are four named isoforms.

Additional Information

Gene ID	26262
Other Names	Tetraspanin-17, Tspan-17, F-box only protein 23, Tetraspan protein SB134, Transmembrane 4 superfamily member 17, TSPAN17, FBXO23, TM4SF17
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TSPAN17 (HGNC:13594)
Synonyms	FBXO23, TM4SF17
Function	Part of TspanC8 subgroup, composed of 6 members that interact with the transmembrane metalloprotease ADAM10. This interaction is required for ADAM10 exit from the endoplasmic reticulum and for enzymatic maturation and trafficking to the cell surface as well as substrate specificity. Different TspanC8/ADAM10 complexes have distinct substrates (PubMed:28600292, PubMed:37516108). Seems to regulate VE- cadherin expression in endothelial cells probably through interaction with ADAM10, promoting leukocyte transmigration (PubMed:28600292).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q9D7W4}; Multi-pass membrane protein