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TSPAN8 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50676

Product Information

Application	WB, IF
Primary Accession	P19075
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	26044

Additional Information

Gene ID	7103
Other Names	Tetraspanin-8, Tspan-8, Transmembrane 4 superfamily member 3, Tumor-associated antigen CO-029, TSPAN8, TM4SF3
Dilution	WB~~1:1000 IF~~1:100
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	TSPAN8
Synonyms	TM4SF3
Function	Structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling (PubMed:27180357, PubMed:36078095). Participates thereby in diverse biological functions such as cell signal transduction, migration and protein trafficking (PubMed:25761241). Promotes ADAM17-mediated TNF processing through recruitment of ADAM17 to tetraspanin-enriched micro-domains (TEMs) (PubMed:36078095). Forms a complex with RICTOR and integrin alpha3/ITGA3 to mediate mTORC2 activation and AKT1 phosphorylation leading to cell migration (PubMed:25761241). Reduces apoptosis and autophagy induced by high glucose levels through forming a complex with mTOR and RICTOR (PubMed:35904232). Contributes to the maintenance of intestinal epithelial barrier and plays a role in the regulation of intestine inflammation by switching interferon gamma receptor 1/IFNGR1 from clathrin-dependent to lipid raft-dependent endocytosis route to limit STAT1 activation magnitude

and duration (PubMed:37204469). Acts as a modulator of the endothelin axis by associating with endothelin converting enzyme ECE1 and regulating its activity of conversion of the endothelin-1 precursor to endothelin (PubMed:37835445).

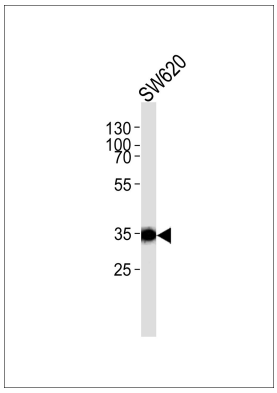
Cellular Location Cell membrane; Multi-pass membrane protein

Tissue Location Gastric, colon, rectal, and pancreatic carcinomas.

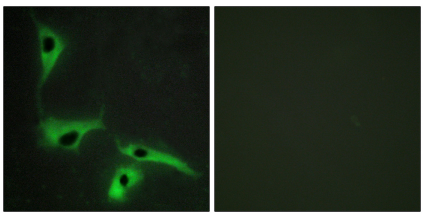
References

Szala S.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:6833-6837(1990).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Chen R.,et al.J. Proteome Res. 8:651-661(2009).

Images



Western blot analysis of lysate from SW620 cell line,using TSPAN8 Antibody(AP50676). AP50676 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.



Immunofluorescence analysis of HeLa cells, using TSPAN8 antibody.

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