

Tetraspanin-8 Polyclonal Antibody
Catalog # AP72792**Specification****Tetraspanin-8 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P19075
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Tetraspanin-8 Polyclonal Antibody - Additional Information**Gene ID** 7103**Other Names**TSPAN8; TM4SF3; Tetraspanin-8; Tspan-8; Transmembrane 4 superfamily member 3;
Tumor-associated antigen CO-029**Dilution**WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence:
1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Tetraspanin-8 Polyclonal Antibody - 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-alpha 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.

Tetraspanin-8 Polyclonal 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 Cytometry](#)
- [Cell Culture](#)

Tetraspanin-8 Polyclonal Antibody - Images



