

Anti-CO-029 / TSPAN8 Antibody (aa110-160)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17298**Specification**

Anti-CO-029 / TSPAN8 Antibody (aa110-160) - Product Information

Application	IHC-P
Primary Accession	P19075
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26044

Anti-CO-029 / TSPAN8 Antibody (aa110-160) - Additional Information**Gene ID** 7103

Alias Symbol	TSPAN8
--------------	---------------

Other Names
TSPAN8, CO-029, TM4SF3, Tspan-8, Tetraspanin 8, Tetraspanin-8**Target/Specificity**
Human CO-029 / TSPAN8**Reconstitution & Storage**
PBS, pH 7.2, 0.05% sodium azide Store at 4°C short term. Aliquot and store at -20°C long term.
Avoid freeze-thaw cycles.**Precautions**
Anti-CO-029 / TSPAN8 Antibody (aa110-160) is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-CO-029 / TSPAN8 Antibody (aa110-160) - 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](http://www.uniprot.org/citations/27180357), PubMed:[36078095](http://www.uniprot.org/citations/36078095)). Participates thereby in diverse biological functions such as cell signal transduction, migration and protein trafficking (PubMed:[25761241](http://www.uniprot.org/citations/25761241) target="_blank">25761241). Promotes ADAM17-mediated TNF-alpha processing through recruitment of ADAM17 to tetraspanin-enriched micro-domains (TEMs) (PubMed:[36078095](http://www.uniprot.org/citations/36078095) target="_blank">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

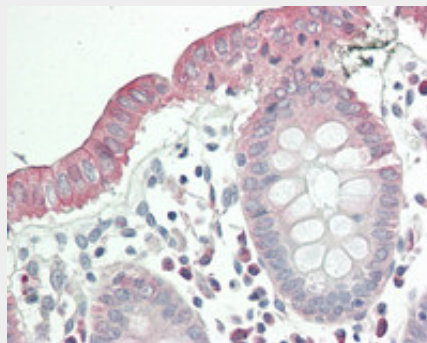
Gastric, colon, rectal, and pancreatic carcinomas.

Anti-CO-029 / TSPAN8 Antibody (aa110-160) - 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](#)

Anti-CO-029 / TSPAN8 Antibody (aa110-160) - Images



Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)