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

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17298

Product Information

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

Additional Information

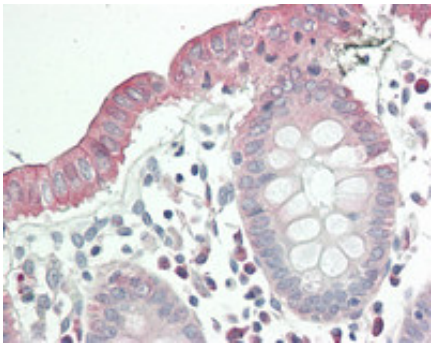
Gene ID	7103
Alias Symbol	TSPAN8
Other Names	TSPAN8, CO-029, TM4SF3, Tspan-8, Tetraspanin 8, Tetraspanin-8
Target/Specificity	Human CO-029 / TSPAN8
Reconstitution & Storage	PBS, pH 7.2, 0.05% sodium azide Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Precautions	Anti-CO-029 / TSPAN8 Antibody (aa110-160) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.