10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CO-029 / TSPAN8 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17291

Product Information

Application	WB, IHC-P
Primary Accession	P19075
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26044
Concentration (mg/ml)	1 mg/ml

Additional Information

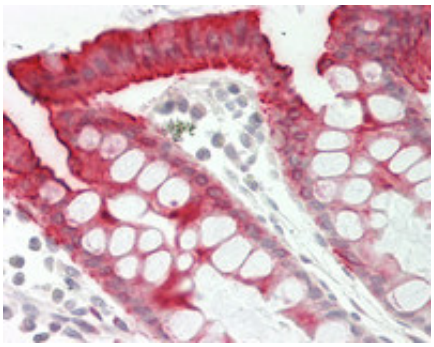
Gene ID	7103
Alias Symbol	TSPAN8
Other Names	TSPAN8, CO-029, TM4SF3, Tspan-8, Tetraspanin 8, Tetraspanin-8
Target/Specificity	Recognizes endogenous levels of Tetraspanin 8 protein.
Reconstitution & Storage	PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.
Precautions	Anti-CO-029 / TSPAN8 Antibody (Internal) 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'.