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Anti-TSPAN8 Reference Antibody (INSERM patent anti-CO-029)

Recombinant Antibody
Catalog # APR11068

Specification

Anti-TSPAN8 Reference Antibody (INSERM patent anti-CO-029) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	P19075
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**150 KDa**

Anti-TSPAN8 Reference Antibody (INSERM patent anti-CO-029) - Additional Information

Target/Specificity
TSPAN8

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-TSPAN8 Reference Antibody (INSERM patent anti-CO-029) - 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

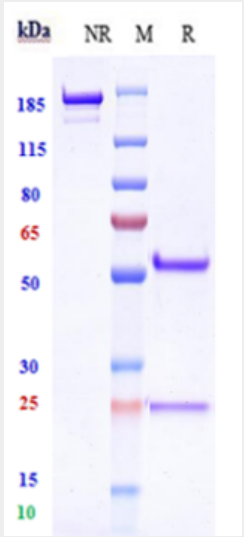
Tissue Location
Gastric, colon, rectal, and pancreatic carcinomas.

Anti-TSPAN8 Reference Antibody (INSERM patent anti-CO-029) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TSPAN8 Reference Antibody (INSERM patent anti-CO-029) - Images



Anti-TSPAN8 Reference Antibody (INSERM patent anti-CO-029) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

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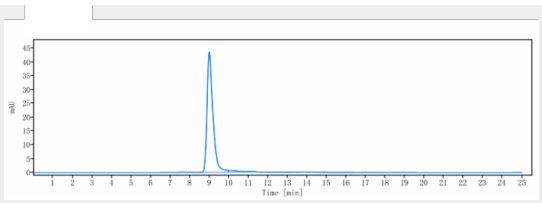

The purity of Anti-TSPAN8 Reference Antibody (INSERM patent anti-CO-029)is more than 95% ,determined by SEC-HPLC.