



产品详情

ZO1 Rabbit Polyclonal Antibody

产品货号	产品名称	储存条件	保质期
IM49208	ZO1 Rabbit Polyclonal Antibody	-20℃	1 年

产品概述:

产品货号	IM49208
别名	ZO1
产品名称	ZO1 Rabbit Polyclonal Antibody
类别	抗体产品
基因名称	TJP1
蛋白名称	Tight junction protein ZO-1(Tight junction protein 1) (Zona occludens protein 1) (Zonula occludens protein 1)
推荐应用	WB, IF-P, IF-F, IF-ICC, ELISA
反应种属	Human, Mouse, Pig
浓度	1mg/ml
存储缓冲液	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Human Gene ID	7082
Human Swissprot No.	Q07157
Mouse Swissprot No.	P39447

免疫原	Synthesized peptide derived from part region of human protein. AA1600-1700
特异性	Z01 Polyclonal Antibody detects endogenous levels of protein.
稀释度	WB 1:500-2000, IF-P/IF-F/IF-ICC 1:100-300, ELISA 1:5000-20000
预测分子量	192kDa
运输及保存条件	-20℃/1 year
宿主	Rabbit
同种型	Rabbit, IgG
背景介绍	This gene encodes a protein located on a cytoplasmic membrane surface of intercellular tight junctions. The encoded protein may be involved in signal transduction at cell-cell junctions. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2014].
组织表达	The alpha-containing isoform is found in most epithelial cell junctions. The short isoform is found both in endothelial cells and the highly specialized epithelial junctions of renal glomeruli and Sertoli cells of the seminiferous tubules.
细胞定位	Cell membrane;Peripheral membrane protein;Cytoplasmic side. Cell junction, tight junction. Cell junction .Cell junction, gap junction. Cell projection, podosome. Moves from the cytoplasm to the cell membrane concurrently with cell-cell contact (PubMed:7798316). At podosomal sites, is predominantly localized in the ring structure surrounding the actin core (PubMed:20930113). Colocalizes with SPEF1 at sites of cell-cell contact in intestinal epithelial cells (PubMed:31473225).

信号通路	Adherens_Junction;Adherens_Junction;Gap junction;Vibrio cholerae infection;Epithelial cell signaling in Helicobacter pylori infection.
功能	Domain:The second PDZ domain mediates interaction with GJA12. function:The N-terminal may be involved in transducing a signal required for tight junction assembly, while the C-terminal may have specific properties of tight junctions. The alpha domain might be involved in stabilizing junctions. PTM:Phosphorylated. similarity:Belongs to the MAGUK family. similarity:Contains 1 guanylate kinase-like domain., similarity:Contains 1 PDZ (DHR) domain. similarity:Contains 1 SH3 domain. similarity:Contains 1 ZU5 domain., similarity:Contains 3 PDZ (DHR) domains. subcellular location:Movement of ZO-1 from the cytoplasm to membrane is an early event occurring concurrently with cell-cell contact. subunit:Interacts with HSPA4 and KIRREL1 (By similarity). Homodimer, and heterodimer with TJP2/ZO-2 and TJP3/ZO-3. Interacts with occludin, claudins, CGN/cingulin, CXADR, GJA12, GJD3 and UBN1. tissue specificity:The alpha-containing isoform is found in most epithelial cell junctions. The short isoform is found both in endothelial cells and the highly specialized epithelial junctions of renal glomeruli and Sertoli cells of the seminiferous tubules.
纯化	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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