ZO3 Monoclonal Antibody

Catalog No	YP-mAb-06281
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB
Gene Name	TJP3 ZO3
Protein Name	Tight junction protein ZO-3 (Tight junction protein 3) (Zona occludens protein 3) (Zonula occludens protein 3)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ZO3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	102kD
Cell Pathway	Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell junction, tight junction . Nucleus . Exhibits predominant nuclear expression in proliferating cells but is exclusively junctionally expressed after confluence is reached (PubMed:23608536). Shows an epithelial-specific tight junction localization in a TJP1/TJP2-dependent fashion (By similarity). .
Tissue Specificity	PCR rescued clones,Whole embryo,
Function	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 3 PDZ (DHR) domains.,subunit:Interacts with occludin, claudins and ZO-1. Interacts with INADL (By similarity). Interacts with UBN1.,
Background	The protein encoded by this gene is a member of the membrane-associated guanylate kinase-like (MAGUK) protein family which is characterized by members having multiple PDZ domains, a single SH3 domain, and a single guanylate kinase-like (GUK)-domain. In addition, members of the zonula occludens protein subfamily have an acidic domain, a basic arginine-rich region, and a proline-rich domain. The protein encoded by this gene plays a role in the linkage between the actin cytoskeleton and tight-junctions and also sequesters cyclin D1 at tight

	junctions during mitosis. Alternative splicing results in multiple transcript variants encoding distinct isoforms. This gene has a partial pseudogene on chromosome 1. [provided by RefSeq, May 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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