

For Research Use Only

ZO-3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87266-1-PBS



Basic Information

Catalog Number: 87266-1-PBS	GenBank Accession Number: NM_001267560.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 27134	CloneNo.: 252499G11
Source: Rabbit	UNIPROT ID: O95049-1	
Isotype: IgG	Full Name: tight junction protein 3 (zona occludens 3)	
Immunogen Catalog Number: EG5585	Calculated MW: 101 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human

Background Information

Tight junction (or zonula occludens) forms the continuous intercellular barrier between epithelial and endothelial cells, which is required to separate tissue spaces and regulate selective movement of solutes across the epithelium and endothelium (PMID: 20066090). ZO-3 (also known as TJP3) is a key scaffold protein of tight junctions. ZO-3 belongs to a family of multidomain proteins known as the membrane-associated guanylate kinase homologs (MAGUKs). ZO-3 regulates the stability of Cyclin D1, thereby influencing the proliferation of epithelial cells (PMID: 21411630).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

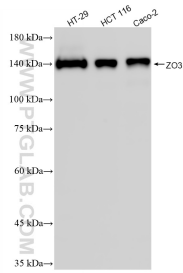
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

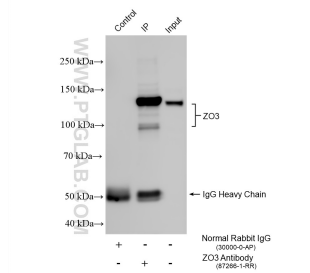
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

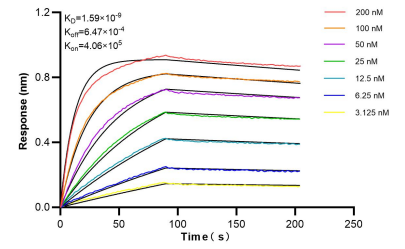
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87266-1-RR (ZO-3 antibody) at a dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87266-1-PBS in a different storage buffer formulation.



IP result of anti-ZO-3 (IP:87266-1-RR, 4ug; Detection:87266-1-RR 1:2000) with HT-29 cells lysate 1760 ug. This data was developed using the same antibody clone with 87266-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 87266-1-RR against Human ZO-3 were performed. The affinity constant is 1.59 nM.