antibodies -online.com







anti-MPDZ antibody (AA 388-480) (AbBy Fluor® 647)



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Quantity:	100 μL	
Target:	MPDZ	
Binding Specificity:	AA 388-480	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MPDZ antibody is conjugated to AbBy Fluor® 647	
Application:	Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MUPP1/MPDZ	
Isotype:	IgG	
Cross-Reactivity:	Human	
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Horse,Rabbit	
Purification:	Purified by Protein A.	

Target Details

Target:	MPDZ	
Alternative Name:	MUPP1/MPDZ (MPDZ Products)	

Target Details

Bac	kar	oun	d:

Synonyms: MPDZ, Multi PDZ domain protein 1, Multi-PDZ domain protein 1, multiple PDZ domain protein, MPDZ_HUMAN.

Background: MPDZ is a 2,042 amino acid peripheral membrane protein that colocalizes with SR-2C on the apical membrane of epithelial choroid plexus cells. Expressed in heart, brain, placenta, liver, skeletal muscle, kidney and pancreas, MPDZ causes clustering of SR-2C, a serotonin receptor, at the cell surface. MPDZ is member of the NMDAR signaling complex that is involved in regulating AMPAR potentiation and synaptic plasticity in excitatory synapses. As a tight junction protein in epithelial cells, MPDZ interacts with SSTR3, a G-protein-coupled receptor, to regulate transepithelial permeability in a pertussis toxin sensitive manner. MPDZ, along with Kir4.2, may form a complex with other proteins in the nephron and regulate ion transport. MPDZ contains one L27 domain and thirteen PDZ domains.

Pathways:

Synaptic Membrane, Phototransduction

Application Details

Application Notes:

FCM 1:20-100

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

Restrictions:

For Research Use only

Handling

Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	
Expiry Date:	12 months	