

## Anti-MPP1 Antibody Picoband® FITC Conjugated

Catalog Number: PB10078-FITC

### About MPP1

55 kDa erythrocyte membrane protein is a protein that in humans is encoded by the MPP1 gene. This gene encodes the prototype of the membrane-associated guanylate kinase (MAGUK) family proteins. MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intercellular junctions. The encoded protein is an extensively palmitoylated membrane phosphoprotein containing a PDZ domain, a Src homology 3 (SH3) motif, and a guanylate kinase domain. This gene product interacts with various cytoskeletal proteins and cell junctional proteins in different tissue and cell types, and may be involved in the regulation of cell shape, hair cell development, neural patterning of the retina, and apico-basal polarity and tumor suppression pathways in non-erythroid cells. Multiple transcript variants encoding different isoforms have been found for this gene.

### Overview

Product Name	Anti-MPP1 Antibody Picoband® FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IF, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q00013

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MPP1, different from the related mouse sequence by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm

	Emission Wavelength: 525 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 33052067, Chen Y,Griffiths A,Wang J,Zhang T,Song Q,Song Z.Inositol-requiring enzyme 1alpha links palmitate-induced mTOR activation and lipotoxicity in hepatocytes.Am J Physiol Cell Physiol.2020 Dec 1;319(6):C1130-C1140.doi: 10.1152/ajpcell.00165.2020.Epub 2020 Oct 14.P

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