

Datasheet for ABIN1411805  
**anti-MPP5 antibody (AA 201-300) (Cy5.5)**



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## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | MPP5                                                                                                                           |
| Binding Specificity: | AA 201-300                                                                                                                     |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This MPP5 antibody is conjugated to Cy5.5                                                                                      |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human MPP5/PALS1  |
| Isotype:              | IgG                                                             |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Chicken, Rabbit |
| Purification:         | Purified by Protein A.                                          |

## Target Details

|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| Target:           | MPP5                                                                                |
| Alternative Name: | MPP5/PALS1 ( <a href="#">MPP5 Products</a> )                                        |
| Background:       | Synonyms: FLJ12615, MAGUK p55 subfamily member 5, Membrane protein palmitoylated 5, |

## Target Details

MPP 5, MPP5, MPP5\_HUMAN, PALS 1, PALS1, Protein associated with Lin-7, Stardust  
Drosophila, Stardust.

Background: Two highly conserved complexes are responsible for the assembly of tight junctions, the Crumbs-Pals1-Patj complex and the Cdc42-Par6-Par3-aPKC complex. Tight junctions assist in the formation of polarity in the epithelia by establishing a barrier to separate apical and basolateral membranes. Pals1, importantly, mediates interaction between the two complexes via interaction with Par6. Loss of Pals1 function results in delayed polarization, decreased transepithelial electrical resistance and an inability to form luminal cysts. Because tumors exhibit perturbations in epithelial polarity, Pals1 presents a new potential target in the study of carcinogenesis.

Pathways: [Nucleotide Phosphorylation](#), [Tube Formation](#), [Asymmetric Protein Localization](#)

## Application Details

Application Notes: 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