

## PTPRM Polyclonal Antibody

### Description

|                                |   |
|--------------------------------|---|
| <b>Product type</b>            | Primary Antibody  |
| <b>Code</b>                    | BT-AP13399  |
| <b>Host</b>                    | Rabbit  |
| <b>Isotype</b>                 | IgG   |
| <b>Size</b>                    | 100ul, 50ul, 20ul   |
| <b>Immunogen</b>               | Synthesized peptide derived from part region of human protein                                       |
| <b>Mol wt</b>                  | N/A   |
| <b>Species reactivity</b>      | Human, Mouse  |
| <b>Clonality</b>               | Polyclonal  |
| <b>Recommended application</b> | WB, ELISA   |
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Full name</b>               | Receptor-type tyrosine-protein phosphatase mu   |
| <b>Synonyms</b>                | Receptor-type tyrosine-protein phosphatase mu ;Protein-tyrosine phosphatase mu;R-PTP-mu;EC 3.1.3.48 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats. This PTP has been shown to mediate cell-cell aggregation through the interaction with another molecule of this PTP on an adjacent cell. This PTP can interact with scaffolding protein RACK1/GNB2L1, which may be necessary for the downstream signaling in response to cell-cell adhesion. Alternative splicing results in multiple transcrip

### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year