

# PTPN18 mouse monoclonal antibody (hybridoma)

Catalog # H00026469-M

Size Up to 5 Clones

## Specification

|                                      |   |
|--------------------------------------|---|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a full-length recombinant PTPN18.  |
| <b>Immunogen</b>                     | PTPN18 (AAH52800.1, 1 a.a. ~ 351 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.  |
| <b>Sequence</b>                      | MSRSLDSARSFLERLEARGGREGAVLAGEFSKRCERYWAQEQEPLQTGLFCITLIKEKWLNEDIM<br>LRTLKVTFFQKESRSVYQLQYMSWPDRGVPSSPDHMLAMVEEARRLQSGSGPEPLCVHCSAGCG<br>RTGVLCTVDYVRQLLLTQMIPPDFSLFDVVLKMRKQRPAAVQTEEQYRFLYHTVAQMFCSTLQNA<br>SPHYQNIKENCAPLYDDALFLRTPQALLAIPRPPGGVLRSSISVPGSPGHAMADTYAVVQKRGAPA<br>GAGSGTQTGTGTGARSAAEEAPLYSKVTPRAQRPGAHAEDARGTLPGRVPADQSPAGSGAYEDV<br>AGGAQTGGLGFNLIRIGRPKGRDPPAEWTRV |
| <b>Host</b>                          | Mouse   |
| <b>Reactivity</b>                    | Human   |
| <b>Interspecies Antigen Sequence</b> | Mouse (74); Rat (73)  |
| <b>Quality Control Testing</b>       | Antibody reactivity and specificity confirmed by ELISA and Western Blot.  |
| <b>Deliverables</b>                  | Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.   |
| <b>Note</b>                          | Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.  |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — PTPN18

**Entrez GeneID** [26469](#)

**GeneBank Accession#** [BC052800.1](#)

**Protein Accession#** [AAH52800.1](#)

**Gene Name** PTPN18

**Gene Alias** BDP1, PTP-HSCF

**Gene Description** protein tyrosine phosphatase, non-receptor type 18 (brain-derived)

**Omim ID** [606587](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** 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, the mitotic cycle, and oncogenic transformation. This PTP contains a PEST motif, which often serves as a protein-protein interaction domain, and may be related to protein intracellular half-life. This protein can differentially dephosphorylate autophosphorylated tyrosine kinases that are overexpressed in tumor tissues, and it appears to regulate HER2, a member of the epidermal growth factor receptor family of receptor tyrosine kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations** brain-derived phosphatase|protein tyrosine phosphatase, non-receptor type 18