

Datasheet: VMA00629

BATCH NUMBER 170517

| | |
|----------------------|------------------------|
| Description: | MOUSE ANTI PTPN6 |
| Specificity: | PTPN6 |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | AB01/4C6-1 |
| Isotype: | IgG1 |
| Quantity: | 100 µl |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 1/1000 |

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

| | |
|---------------------------------|--|
| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Immunogen | <i>E. coli</i> -derived recombinant human PTPN6 (aa 391-595) |
| External Database Links | UniProt: |

[P29350](#) [Related reagents](#)

Entrez Gene:

[5777](#) PTPN6 [Related reagents](#)

Synonyms HCP, PTP1C

Specificity **Mouse anti Human PTPN6 antibody, clone AB01/4C6-1** recognizes PTPN6, also known as SHP1, HCP, tyrosine-protein phosphatase non-receptor type 6 or hematopoietic cell phosphatase.

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. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported (provided by RefSeq, Jul 2008).

Mouse anti Human PTPN6 antibody, clone AB01/4C6-1 detects a band of 64 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Mouse anti PTPN6 antibody detects a band of approximately 64 kDa in HEK293 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00629>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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