

## SH-PTP1 Polyclonal Antibody

catalog number: **E-AB-10587**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human;Mouse;Rat  |
| <b>Immunogen</b>    | Recombinant protein of human PTPN6   |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Affinity purification  |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

### Applications

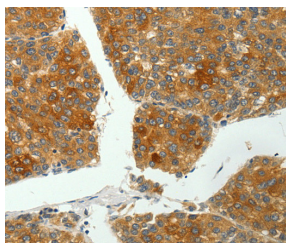
| Applications | Recommended Dilution |
|--------------|----------------------|
| <b>WB</b>    | 1:200-1:1000         |
| <b>IHC</b>   | 1:50-1:200           |

### Data



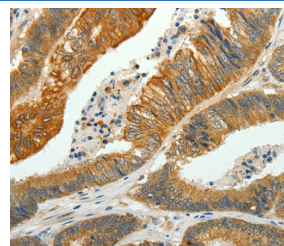
Western Blot analysis of A375 and A431 cell using SH-PTP1 Polyclonal Antibody at dilution of 1:500

**Calculated-MW:68 kDa**



Immunohistochemistry of paraffin-embedded Human liver cancer using SH-PTP1 Polyclonal Antibody at dilution of

1:35



Immunohistochemistry of paraffin-embedded Human colon cancer using SH-PTP1 Polyclonal Antibody at dilution of

1:35

### Preparation & Storage

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.  |
| <b>Shipping</b> | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

### Background

### For Research Use Only

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.

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