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# EB07725 - Goat Anti-PTPN6 / SHP1 (internal region) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** PTPN6, SHP1, protein tyrosine phosphatase, non-receptor type 6, HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1, SHP-1L, 70 kda SHP-1L protein, hematopoietic cell phosphatase, hematopoietic cell protein-tyrosine phosphatase,

protein-tyrosine phosphatase 1C

Official Symbol: PTPN6

Accession Number(s): NP\_536858.1; NP\_002822.2

Human GeneID(s): 5777

Non-Human GenelD(s): 15170 (mouse), 116689 (rat)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_536858.1and NP\_002822.2). Please note this antibody was designed using the mouse sequence, which differs by 1 amino acid from the human sequence.

### **Immunogen**

Peptide with sequence C-KASRTSSKHKEE, from the internal region of the protein sequence according to NP\_536858.1; NP\_002822.2.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

#### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:128000.

**Western blot:** Approx 70kDa band observed in Human Liver and Mouse Thymus lysates and approx 70-75kDa in Rat Thymus lysates (calculated MW of 67.6kDa according to Human NP\_536858.1 and Mouse NP\_038573.2, and 69.6kDa according to Rat NP\_446360.1). Recommended concentration: 0.01-0.1μg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Thyroid. Recommended concentration: 5µg/ml.

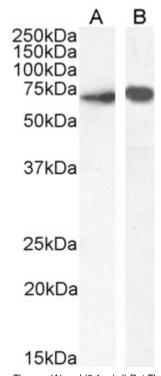
## **Species Reactivity**

Tested: Human, Mouse, Rat

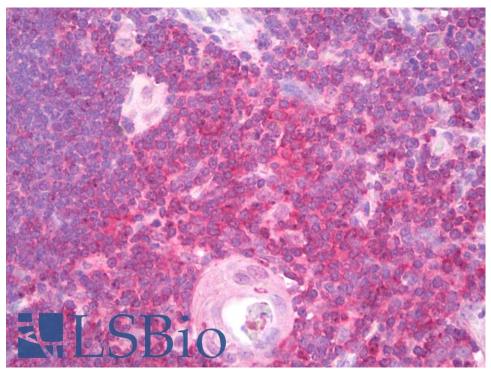
Expected from sequence similarity: Human, Mouse, Rat, Dog



EB07725 (0.1μg/ml) staining of Human Liver lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB07725 ( $0.01\mu g/ml$ ) staining of Mouse Thymus (A) and (0.1ug/ml) Rat Thymus (B) lysate ( $35\mu g$  protein in RIPA buffer). Detected by chemiluminescence.



EB07725 ( $5\mu g/ml$ ) staining of paraffin embedded Human Thyroid. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.