SHP-1 Antibody
Cat. No.: 45-127

45-127 (5ug/ml) staining of paraffin embedded Human Thyroid. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specifications

<table>
<thead>
<tr>
<th>HOST SPECIES:</th>
<th>Goat</th>
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<tbody>
<tr>
<td>SPECIES REACTIVITY:</td>
<td>Human, Mouse, Rat</td>
</tr>
<tr>
<td>HOMOLOGY:</td>
<td>Expected Species Reactivity based on sequence homology: Dog</td>
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<tr>
<td>IMMUNOGEN:</td>
<td>The immunogen for this antibody is: C-KASRTSSKHKE</td>
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<tr>
<td>TESTED APPLICATIONS:</td>
<td>ELISA, IHC, WB</td>
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</tbody>
</table>

APPLICATIONS:
- **Peptide ELISA**: antibody detection limit dilution 1:128000.
- **Western Blot**: Approx 65kDa band observed in Human Bone Marrow and Liver lysates and in Mouse and Rat Spleen and Thymus lysates (calculated MW of 67.6kDa according to NP_536858.1 and NP_002822.2). Recommended concentration: 0.1-0.3ug/ml. Primary incubation was 1 hour.
- **Immunohistochemistry**: Paraffin embedded Human Thyroid. Recommended concentration: 5ug/ml.
**SPECIFICITY:**
This antibody is expected to recognise both reported isoforms (NP_536858.1 and NP_002822.2). Please note this antibody was designed using the mouse sequence, which differs by 1 amino acid from the human sequence.

**POSITIVE CONTROL:**
1) Cat. No. 1304 - Human Liver Tissue Lysate

### Properties

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

**CLONALITY:**
Polyclonal

**CONJUGATE:**
Unconjugated

**PHYSICAL STATE:**
Liquid

**BUFFER:**
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.

**CONCENTRATION:**
500 ug/mL

**STORAGE CONDITIONS:**
Aliquot and store at -20°C. Minimize freezing and thawing.

### Additional Info

**OFFICIAL SYMBOL:**
PTPN6

**ALTERNATE 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

**ACCESSION NO.:**
NP_536858.1, NP_002822.2

**PROTEIN GI NO.:**
18104991

**GENE ID:**
5777

### Background and References

**REFERENCES:**

**ANTIBODIES FOR RESEARCH USE ONLY.**

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