Goat anti-PTPN6 / SHP1 (internal region) Antibody

Item Number	dAP-1056
Target Molecule	Principle Name: PTPN6 / SHP1 (internal region); Official Symbol: PTPN6; All Names and Symbols: 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 Number (s): NP_536858.1; NP_002822.2; Human Gene ID(s): 5777; Non-Human GeneID(s): 15170 (mouse) 116689 (rat)
Immunogen	KASRTSSKHKEE, is from internal region 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
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	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: 0.1-0.3µg/ml.
IHC	
Reference	Reference(s): Dubois MJ, Bergeron S, Kim HJ, Dombrowski L, Perreault M, Fournes B, Faure R, Olivier M, Beauchemin N, Shulman GI, Siminovitch KA, Kim JK, Marette A. The SHP-1 protein tyrosine phosphatase negatively modulates glucose homeostasis. Nat Med. 2006 May;12(5):549-56. Epub 2006 Apr 16. .PMID:

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only