

Goat anti-SHP2 / PTPN11 Antibody

Item Number	dAP-0334
Target Molecule	Principle Name: SHP2 / PTPN11; Official Symbol: PTPN11; All Names and Symbols: PTPN11; SHP2; protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1); CFC; NS1; BPTP3; PTP2C; SHP-2; PTP-1D; SH-PTP2; SH-PTP3; Noonan syndrome 1; protein-tyrosine phosphatase 2C; protein tyrosine phosphatase, non-receptor type 11; MGC14433; Accession Number (s): NP_002825.3; Human Gene ID(s): 5781; Non-Human GeneID(s): 19247 (mouse) 25622 (rat)
Immunogen	YENVGLMQQKSFR, is from C Terminus
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse
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; Reconstitute 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 32000.
Western Blot	Western Blot: Approx 70kDa band observed in Human Skeletal Muscle lysates and in lysates of cell line HEK293 (calculated MW of 68.0kDa according to NP_002825.3). In transfected HEK293 transiently expressing PTPN11 bands of approx. 70kDa and 49kDa are obs
IHC	Immunohistochemistry: In paraffin embedded Human Cerebellum shows strong cytoplasm staining in Purkinje cells and processes. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Saxton TM, Ciruna BG, Holmyard D, Kulkarni S, Harpal K, Rossant J, Pawson T. The SH2 tyrosine phosphatase shp2 is required for mammalian limb development. Nat Genet 2000 Apr;24(4):420-3.PMID: 10742110->

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**