



Goat anti-ROBO1 / DUTT1 (Internal) Antibody

Item Number	dAP-0879
Target Molecule	Principle Name: ROBO1 / DUTT1 (Internal); Official Symbol: ROBO1; All Names and Symbols: ROBO1; DUTT1; roundabout, axon guidance receptor, homolog 1 (Drosophila) ; HGNC:10249; FLJ21882; SAX3; axon guidance receptor; roundabout 1; MGC131599; MGC133277; Accession Number (s): NP_002932.1; NP_598334.1; NP_001139316.1; NP_001139317.1; Human Gene ID(s): 6091; Non-Human GeneID(s): 19876 (mouse) 58946 (rat)
Immunogen	GDVDLSNKINEMK, is from internal region This antibody is expected to recognise all reported isoforms (NP_002932.1; NP_598334.1; NP_001139316.1; NP_001139317.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human
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 8000.
Western Blot	Western Blot: Approx 250kDa band observed in Human Endothelial Cell line HUVEC lysates (calculated MW of 181kDa according to NP_002932.1). Some of the observed proteolytic breakdown products are also found in Human, Mouse and Rat Brain lysates. Recommen
IHC	Immunohistochemistry: Paraffin embedded Human Liver. Recommended concentration: 2µg/ml.
Reference	Reference(s): Hannula-Jouppi K, Kaminen-Ahola N, Taipale M, Eklund R, Nopola-Hemmi J, Kaariainen H, Kere J. The Axon Guidance Receptor Gene ROBO1 Is a Candidate Gene for Developmental Dyslexia. PLoS Genet. 2005 Oct;1(4):e50. Epub 2005 Oct 28. .PMID: 16254601 ->

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**