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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07058 - Goat Anti-ROBO1 / DUTT1 (Internal) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ROBO1, DUTT1, roundabout, axon guidance receptor, homolog 1 (Drosophila), HGNC:10249, FLJ21882, SAX3, axon guidance receptor, roundabout 1, MGC131599, MGC133277

Official Symbol: ROBO1

Accession Number(s): NP_002932.1; NP_598334.1; NP_001139316.1; NP_001139317.1

Human GeneID(s): [6091](#)

Non-Human GeneID(s): 19876 (mouse), 58946 (rat)

Important Comments: This antibody is expected to recognise all reported isoforms (NP_002932.1; NP_598334.1; NP_001139316.1; NP_001139317.1).

Immunogen

Peptide with sequence C-GDVDSLNNKINEMK, from the internal region of the protein sequence according to NP_002932.1; NP_598334.1; NP_001139316.1; NP_001139317.1.

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 1:8000.

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. Recommended concentration: 1-3µg/ml.

IHC: Paraffin embedded Human Liver. Recommended concentration: 2µg/ml.

Species Reactivity

Tested: Human

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

EB07058 (1µg/ml) staining of HUVEC lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.

EB07058 (2µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.