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for diagnostic or  
therapeutic use.**

Storage: Aliquot and store at  
-20°C. Minimize freezing and  
thawing.

## **Product: EB07058 – Goat anti-ROBO1**

### ***Target Protein***

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

Official Gene Symbol: ROBO1

Accession Number(s): NP\_002932.1; NP\_598334.1

Human Gene ID(s): 6091

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

This antibody is expected to recognise both reported isoforms (NP\_002932.1; NP\_598334.1)

### ***Immunogen***

Peptide with sequence C-GDVDSLNNKINEMK, from the internal region of the protein sequence according to NP\_002932.1; NP\_598334.1

### ***Purification***

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

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

### ***Applications Tested***

Peptide ELISA: antibody detection limit dilution 1:8,000. 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.

### ***Species Reactivity***

Tested: Human

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

### ***Background Reference***

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



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