



## UK Office

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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

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

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

**Important Comments:** Not expected to cross-react with ROBO2 or ROBO3.

### Immunogen

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

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 1:16000.

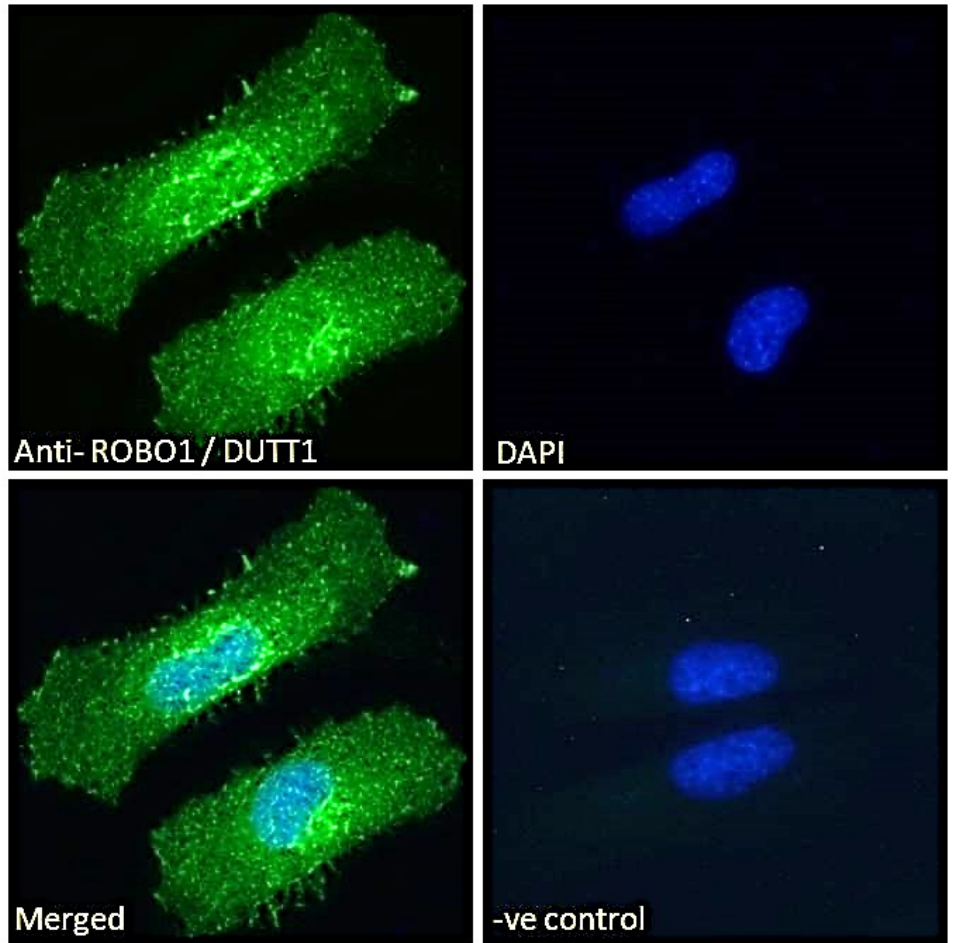
**IHC:** Paraffin embedded Human Brain (Cortex) and Kidney. Recommended concentration: 5-6µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the Plasma membrane and Golgi/ER of HeLa and U2OS cells. Recommended concentration: 10µg/ml.

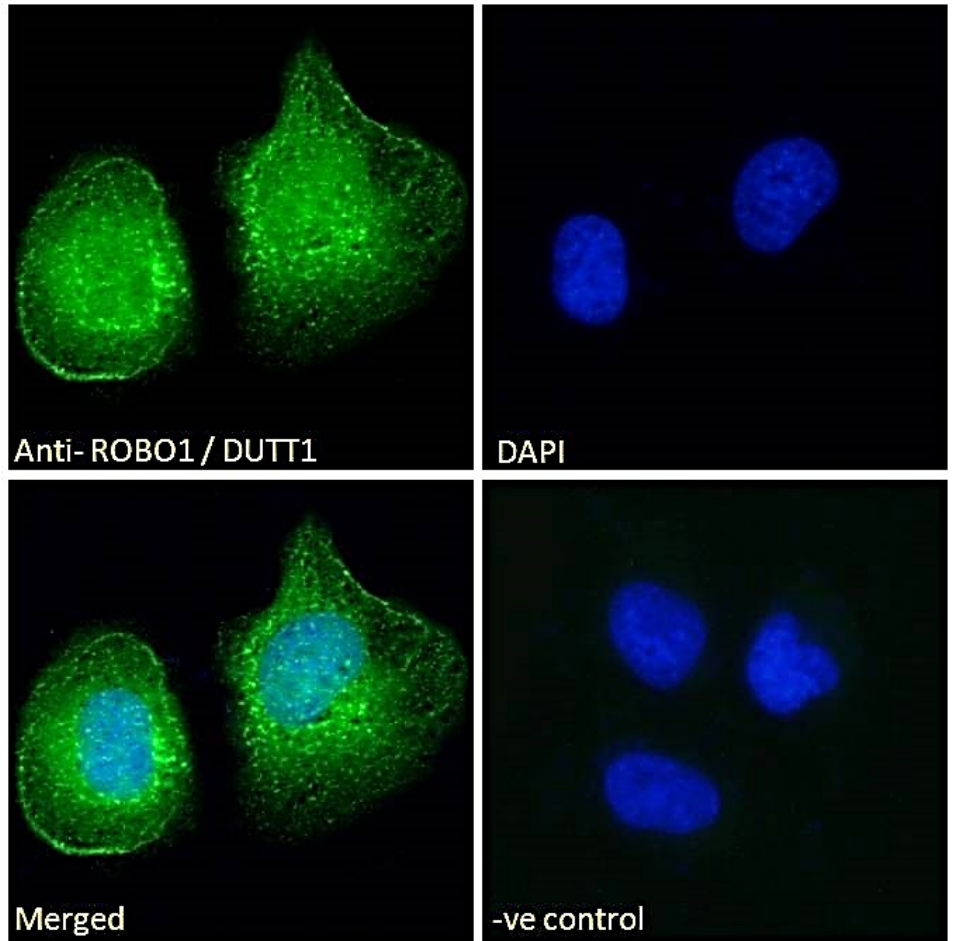
### Species Reactivity

**Tested:** Human

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



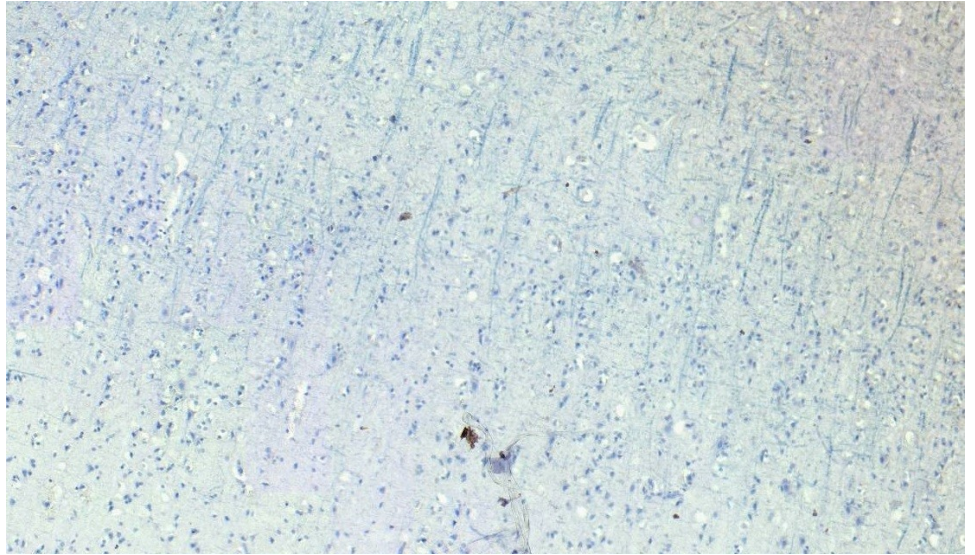
EB07058 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Plasma membrane and Golgi staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



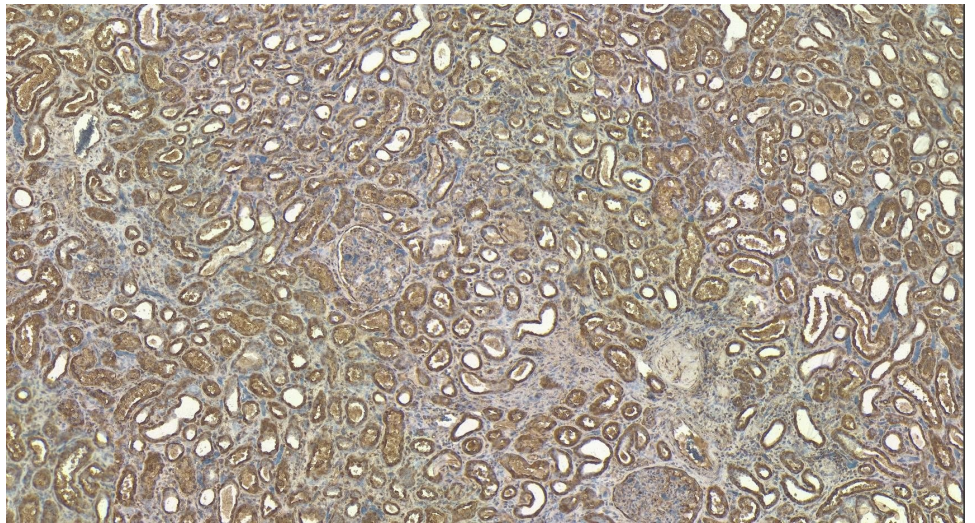
EB07058 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Plasma membrane and ER staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



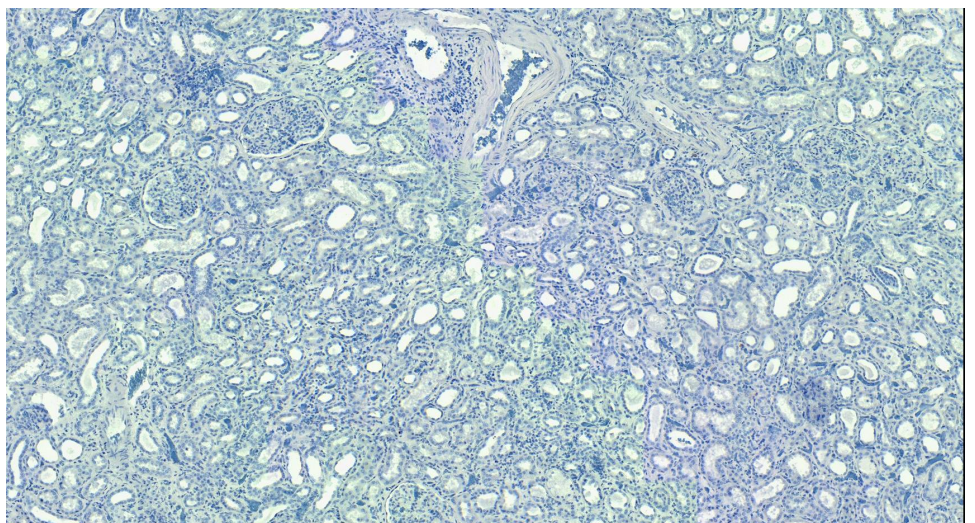
EB07058 (5µg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07058 Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.



EB07058 (6µg/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07058 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.