

## ROBO1 antibody

Cat. No. GTX36928

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, IP, ELISA
<b>Reactivity</b>	Human, Mouse

Package  
100 µg

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IHC-P	2-10 µg/mL
IHC-Fr	2-10 µg/mL
IP	Assay dependent
ELISA	1:30000-1:60000

Not tested in other applications.

**Calculated MW** 181 kDa. ([Note](#))

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	20mM Potassium Phosphate, 150mM NaCl
<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.98 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Synthetic peptide corresponding to an C-Terminal region near amino acids 1625-1650 of Human ROBO-1.
<b>Purification</b>	Purified by antigen-affinity chromatography. From serum
<b>Conjugation</b>	Unconjugated



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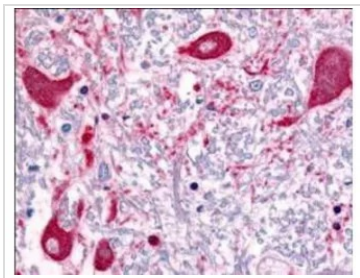
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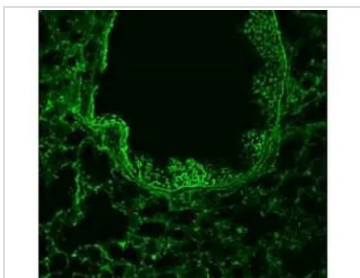
## DATA IMAGES

**GTX36928 WB Image**

Western blot using Affinity Purified anti-ROBO-1 antibody (GTX36928) shows detection of a band at ~181 kDa corresponding to ROBO-1 present in mouse brain lysate (arrowhead). Approximately 35  $\mu$ g of lysate was separated by 4-8% SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:1,000. Reaction occurred 2h at room temperature followed by washes and reaction with a 1:10,000 dilution of infrared 800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature. Infrared 800 fluorescence image was captured using the OdysseyR Infrared Imaging System developed by LI-COR.

**GTX36928 IHC-P Image**

Affinity Purified anti-ROBO1 antibody (GTX36928) was used at a concentration of 5  $\mu$ g/ml to detect ROBO1 in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows staining of human brain tissue. Tissue was formalin-fixed and paraffin embedded.

**GTX36928 IHC-Fr Image**

1/50 staining mouse lung tissue sections (adult, frozen 100 $\mu$ m wholemount sections) by IHC-Fr. The tissue was paraformaldehyde fixed and permeabilized with polyethylene glycol tert-octylphenyl ether before incubation with the antibody (GTX36928) for 16 hours at 4°C.



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