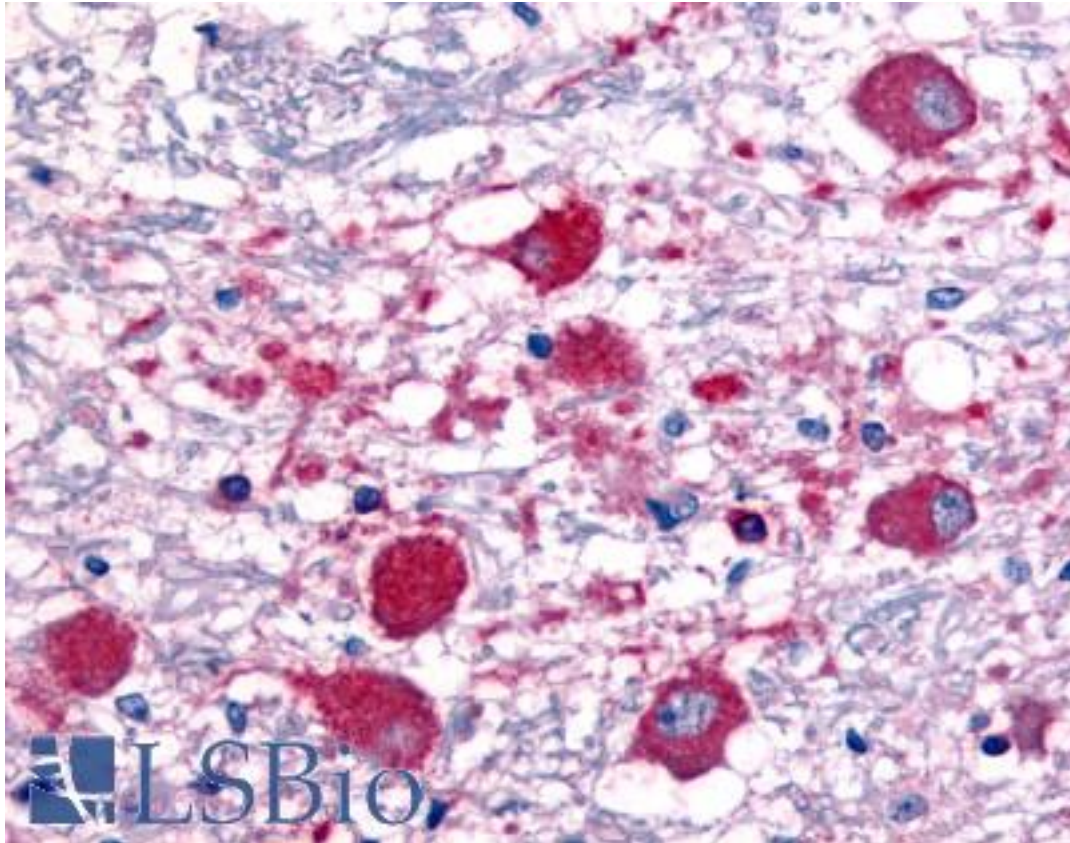


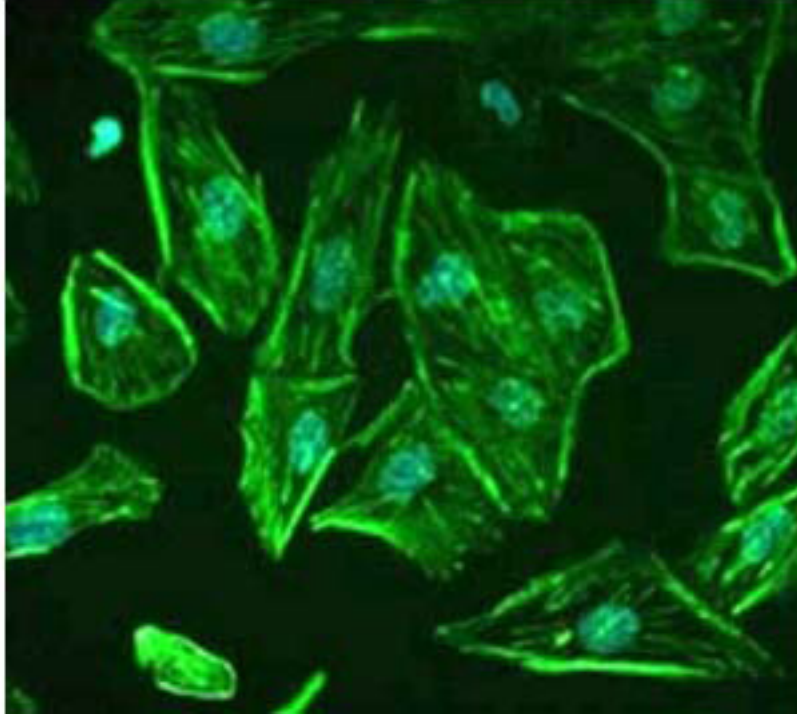
ROBO1 Rabbit anti-Human Polyclonal (aa1632-1644) Antibody - LS-B81 - LSBio	
CatalogID:	LS-B81
Validation:	This antibody replaces catalog number LS-C19082. It has been validated for use in the following assays: IHC.
Target:	roundabout, axon guidance receptor, homolog 1 (Drosophila) (ROBO1)
Synonyms:	ROBO1 Antibody, Deleted in U twenty twenty Antibody, H-Robo-1 Antibody, Roundabout 1 Antibody, SAX3 Antibody, DUTT1 Antibody, Roundabout homolog 1 Antibody
Host	ROBO1 antibody was produced in Rabbit
Clonality:	Polyclonal
Immunogen Species:	ROBO1 antibody was raised against Human
Antigen Type:	Synthetic peptide
Immunogen:	ROBO1 antibody was raised against synthetic peptide from human ROBO1.
Specificity:	Amino acids 1632-1644 of Human ROBO-1.
Epitope:	aa1632-1644
Reactivity:	Human, Mouse, Rat, Dog
Purification:	Immunoaffinity purified
Presentation:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Recommended Storage:	Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.
Usage Summary:	Immunohistochemistry: LS-B81 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B81 was determined to be 2.5 ug/ml.
Uses:	IHC - Paraffin (2.5 µg/ml), ICC, Immunofluorescence, Western blot (1:500 - 1:3000), ELISA (1:30000 - 1:160000) (Optimal dilution to be determined by the researcher)
Size:	50 µg
Concentration:	1 mg/ml

Immunohistochemistry Image:



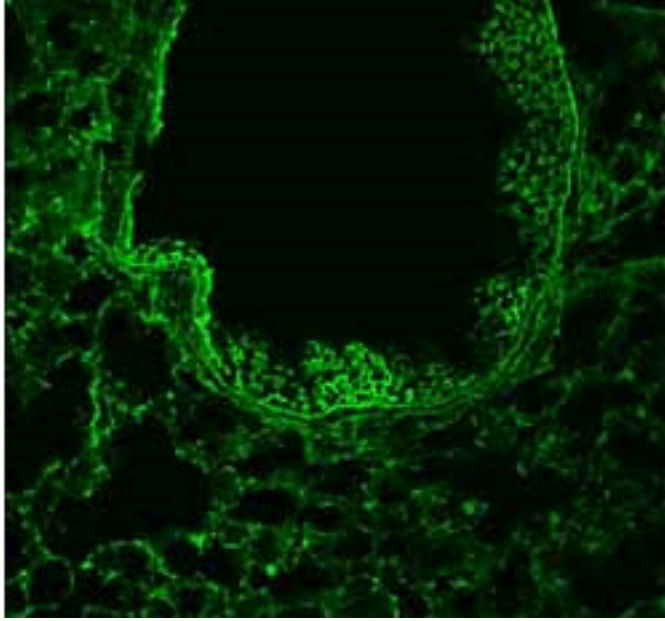
Anti-ROBO1 antibody IHC of human brain. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B81 concentration 5 ug/ml.

Immunofluorescence Image:



Immunofluorescence - Anti-ROBO-1 Antibody. Staining of ROBO1 in undifferentiated, immortalized human podocytes by Immunocytochemistry/ Immunofluorescence. Cells were fixed with 2% paraformaldehyde and 4% sucrose at room temperature for 10 minutes. The cells were then washed once with PBS, permeabilized with 0.3% Triton X-100 for 10 minutes and incubated with blocking solution (2% FCS, 2% BSA, 0.2% fish gelatin) for 30 minutes, before further incubation with primary Ab for 1 hour. An Alexa Fluor 488 goat anti-rabbit IgG secondary antibody was used at a dilution of 1/200. DAPI was used for nuclear counterstaining. Image from Lindenmeyer MT et al. Systematic Analysis of a Novel Human Renal Glomerulus-Enriched Gene Expression Dataset. PLoS One. 2010 July 12;5(7): e11545, Fig 5.

Immunofluorescence Image:



Immunofluorescence - Anti-ROBO-1 Antibody. 1/50 staining mouse lung tissue sections (adult, frozen 100um whole mount sections) by IHC-Fr. The tissue was paraformaldehyde fixed and permeabilized with triton x-100 before incubation with the antibody for 16 hours at 4°C.

Western Blot Image:



Western Blot - Anti-ROBO-1 Antibody. Western blot of Affinity Purified anti-ROBO-1 antibody shows detection of a band at ~181 kD corresponding to ROBO-1 present in mouse brain lysate (arrowhead). Approximately 35 ug 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 1:1000. Reaction occurred 2h at room temperature followed by washes and reaction with a 1:10000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MX (for 45 min at room temperature. IRDye800 fluorescence image was captured using the Odyssey Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

Requested From:

Japan

Laboratory Reagent For In Vitro Research Use Only

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Created on 9/24/2014

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