abcam

Product datasheet

Anti-Robo1 antibody ab7279

★★★★☆ **13 Abreviews**   **50 References**   **画像数** 6

製品の概要

製品名	Anti-Robo1 antibody
製品の詳細	Rabbit polyclonal to Robo1
由来種	Rabbit
特異性	Some batches may cross-react with Robo2 and Robo3. Please see abreview for more details.
アプリケーション	**適用あり:** ELISA, IHC-P, WB, IHC-Fr
種交差性	**交差種:** Mouse, Human
免疫原	Synthetic peptide:
	C-VLGGYERGEDNNE
	conjugated to KLH, corresponding to amino acids 1632-1644 of Human Robo1.
	🔲 **Run BLAST with** 🔲 **Run BLAST with**
ポジティブ・コントロール	WB: HEK-293, HeLa, MCF-7, A-549, and A-172 lysates. IHC-P: Human brain tissue. IHC-Fr: Mouse lung tissue.
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

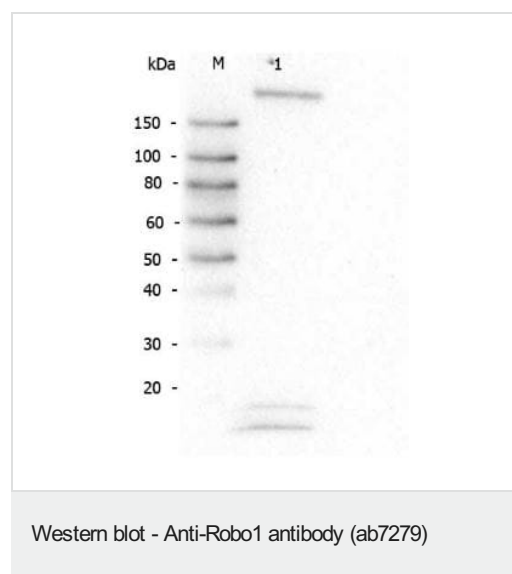|	
製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee　　　**Abpromise保証は、** 次のテスト済みアプリケーションにおけるab7279の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

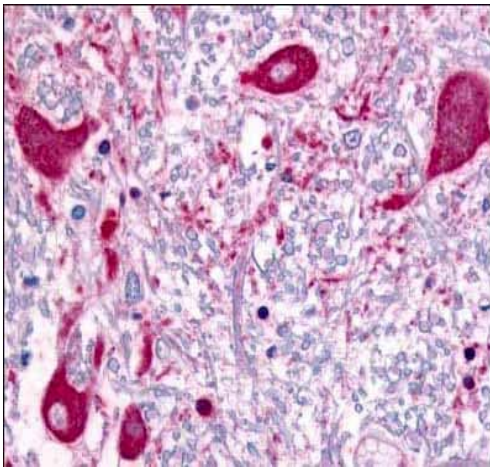| アプリケーション	Abreviews	特記事項
ELISA		1/30000 - 1/60000.
IHC-P	★★★★★ (3)	Use a concentration of 2 - 10 µg/ml.
WB	★★★★☆ (4)	1/500 - 1/3000. Detects a band of approximately 181 kDa.
IHC-Fr	★★★★☆ (4)	Use a concentration of 2 - 10 µg/ml.

ターゲット情報

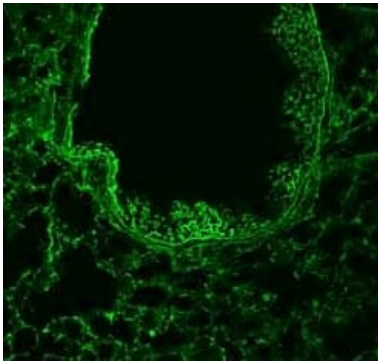|	
機能	Receptor for SLIT1 and SLIT2 which are thought to act as molecular guidance cue in cellular migration, including axonal navigation at the ventral midline of the neural tube and projection of axons to different regions during neuronal development. In axon growth cones, the silencing of the attractive effect of NTN1 by SLIT2 may require the formation of a ROBO1-DCC complex. May be required for lung development.
組織特異性	Widely expressed, with exception of kidney.
配列類似性	Belongs to the immunoglobulin superfamily. ROBO family. Contains 3 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.
翻訳後修飾	Ubiquitinated. May be deubiquitinated by USP33.
細胞内局在	Membrane.

画像

Anti-Robo1 antibody (ab7279) at 1/1000 dilution + HeLa whole cell lysate at 30 µg

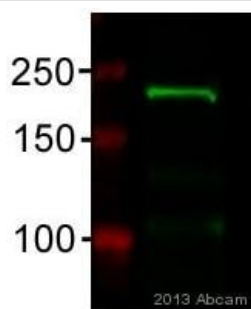Western blot - Anti-Robo1 antibody (ab7279)

Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Robo1 antibody (ab7279)

This image shows staining of human brain tissue.

Immunohistochemistry (Frozen sections) - Anti-
Robo1 antibody (ab7279)

Immunohistochemistry analysis of mouse lung tissue sections (adult,
frozen 100 µm wholemount sections) labelling Robo1 with ab7279
at 1/50 dilution. The tissue was paraformaldehyde fixed and
permeabilized with triton x-100 before incubation with the antibody
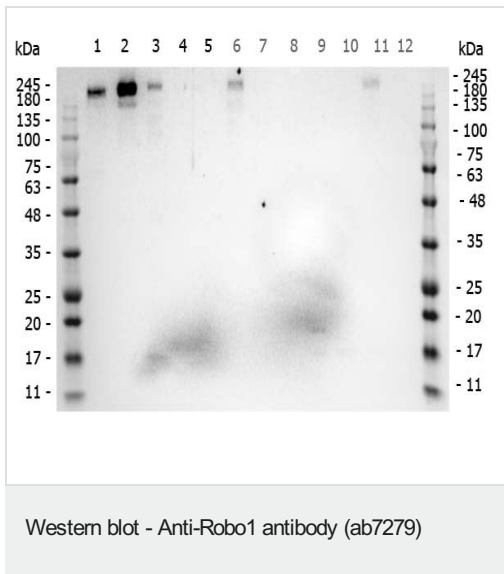for 16 hours at 4°C.

Western blot - Anti-Robo1 antibody (ab7279)

This image is courtesy of an anonymous Abreview.

Anti-Robo1 antibody (ab7279) at 1/1000 dilution + HEK 293T cells
at 25 µg

Developed using the ECL technique.

Performed under reducing conditions.

Western blot - Anti-Robo1 antibody (ab7279)

All lanes : Anti-Robo1 antibody (ab7279) at 1 µg/ml

Lane 1 : HEK-293 (human epithelial cell line from embryonic kidney) whole cell lysate

Lane 2 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 3 : MCF7 (human breast adenocarcinoma cell line) whole cell lysate

Lane 4 : Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 5 : A431 (human epidermoid carcinoma cell line) whole cell lysate

Lane 6 : A549 (human lung carcinoma cell line) whole cell lysate

Lane 7 : LNCaP (human prostate cancer cell line) whole cell lysate

Lane 8 : MOLT-4 (human lymphoblastic leukemia cell line) whole cell lysate

Lane 9 : Ramos (human Burkitt's lymphoma cell line) whole cell lysate

Lane 10 : Raji (human Burkitt's lymphoma cell line) whole cell lysate

Lane 11 : A-172 (human brain glioblastoma) whole cell lysate

Lane 12 : NIH/3T3 (mouse embryo fibroblast cell line) whole cell lysate
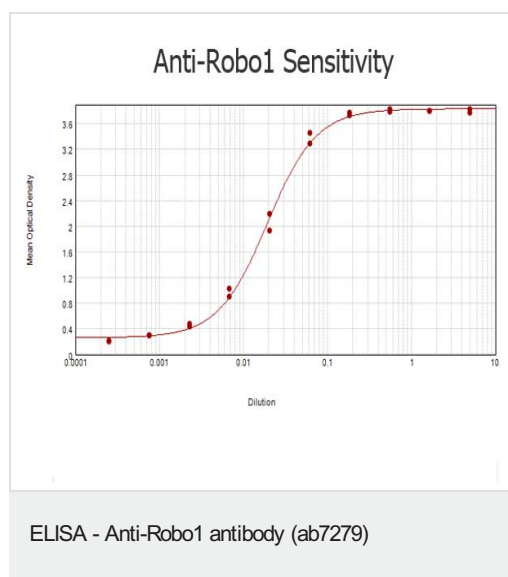
Lysates/proteins at 35 µg per lane.

Secondary
All lanes : Peroxidase Rabbit secondary antibody for 60 minutes at room temperature at 1/30000 dilution

Observed band size: 181 kDa

Primary antibody incubated overnight at 4C.

Blocking Buffer: 1% Casein-TTBS for 30 min at room temperature.

ELISA - Anti-Robo1 antibody (ab7279)

ELISA results of purified ab7279 tested against BSA-conjugated peptide of immunizing peptide. Each well was coated in duplicate with 0.1µg of conjugate. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gel, Goat anti-Rabbit IgG Antibody Peroxidase Conjugated secondary and TMB ELISA Peroxidase Substrate.

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