Product Datasheet

Ephrin B2 Rabbit mAb

Catalog No: #49626

Package Size: #49626-1 50ul #49626-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

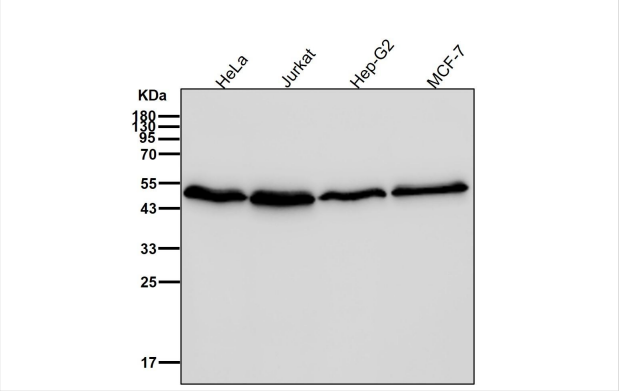
Description

Product Name	Ephrin B2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JM53-21
Purification	Affinity-chromatography
Applications	WB, ICC/IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	A synthesized peptide derived from human Ephrin B2
Conjugates	Unconjugated
Other Names	EFN B2 antibody EFNB 2 antibody Efnb2 antibody EFNB2_HUMAN antibody Eph related receptor tyrosine kinase ligand 5 antibody EPH-related receptor tyrosine kinase ligand 5 antibody ephrin B2 antibody Ephrin-B2 antibody EphrinB2 antibody EPLG 5 antibody EPLG5 antibody Htk L antibody HTK ligand antibody HTK-L antibody HTKL antibody LERK 5 antibody LERK-5 antibody LERK5 antibody Ligand of eph related kinase 5 antibody MGC126226 antibody MGC126227 antibody MGC126228 antibody OTTMUSP00000024973 antibody
Accession No.	Swiss-Prot#:P52799
Calculated MW	50 kDa
Formulation	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C for short term. Store at -20°C for long term. Avoid freeze/thaw cycle.

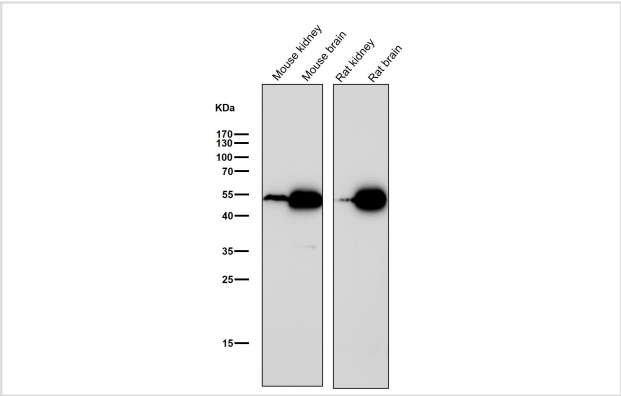
Application Details

WB 1:1000-1:2000 ICC/IF 1:50-1:200

Images

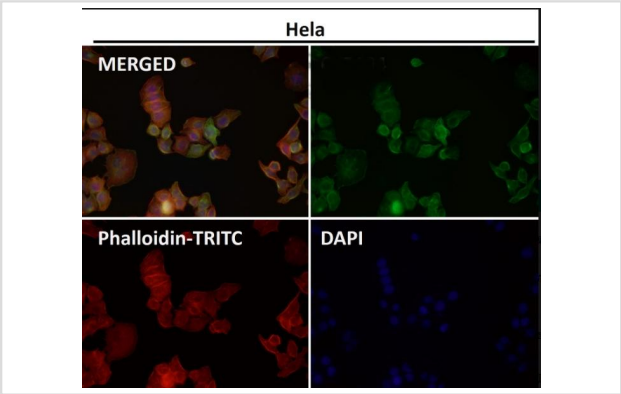


All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

Western blot analysis of Ephrin B2 expression in (1) HEK293 cell lysate; (2) Mouse spleen lysate.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

Background

Cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling.

References

1. Wu S et al. MicroRNA-137 Inhibits EFNB2 Expression Affected by a Genetic Variant and Is Expressed Aberrantly in Peripheral Blood of Schizophrenia Patients. EBioMedicine 12:133-142 (2016).
2. Ma W et al. Synergistic Effect of TPD7 and Berberine against Leukemia Jurkat Cell Growth through Regulating Ephrin-B2 Signaling.Phytother Res doi: 10.1002/ptr.5866 (2017).

Published Papers

Zhang Jie, Li Yanchen el at., Application of Activity-Based Protein Profiling (ABPP) Strategy in the Identification of New Targets for Vascular Normalization and Binding Site Resolution, Methods in molecular biology (Clifton, N.J.), (2025)

PMID:40515989

Note: This product is for in vitro research use only and is not intended for use in humans or animals.