Datasheet for ABIN3030824

anti-EPH Receptor B2 antibody

5 Images

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Overview

Quantity:	0.2 mL
Target:	EPH Receptor B2 (EPHB2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EPH Receptor B2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified His-tagged protein (from amino acids 127~425) was used to produce this monoclonal EPHB2 antibody.
Clone:	48CT12-6-4
Isotype:	IgG1 kappa
Purification:	Purified

Target Details

Target:	EPH Receptor B2 (EPHB2)
Alternative Name:	EPHB2 (EPHB2 Products)
Background:	Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a

Target Details

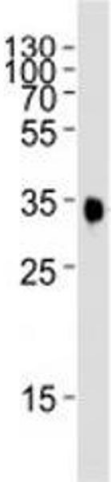
	glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members.
UniProt:	P29323
Pathways:	RTK Signaling, Regulation of long-term Neuronal Synaptic Plasticity, S100 Proteins

Application Details

Application Notes:	Titration of the EPHB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50,IHC (Paraffin): 1:200
Restrictions:	For Research Use only

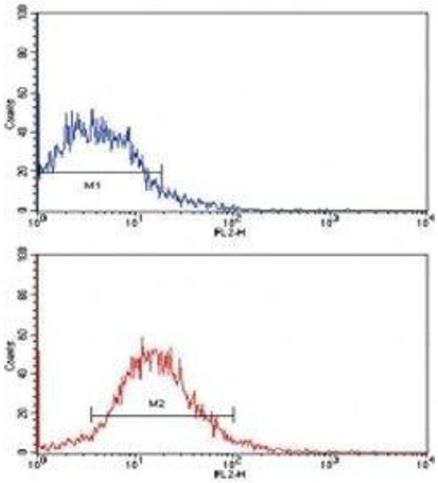
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the EPHB2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



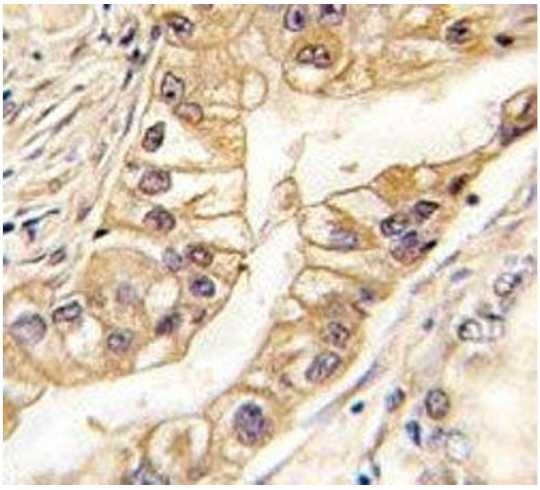
Western Blotting

Image 1. Western blot analysis partial EPHB2 protein using EphB2 antibody at 1:1000.



Flow Cytometry

Image 2. Flow cytometric analysis of HepG2 cells using EPHB2 antibody (red) compared to a negative control (blue). PE-conjugated goat-anti-mouse secondary Ab was used for the analysis.



Immunohistochemistry

Image 3. IHC analysis of FFPE human lung carcinoma tissue stained with EPHB2 antibody

Please check the product details page for more images. Overall 5 images are available for ABIN3030824.