

EPHB2 Antibody

Catalog No: #21696



Package Size: #21696-1 50ul #21696-2 100ul

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

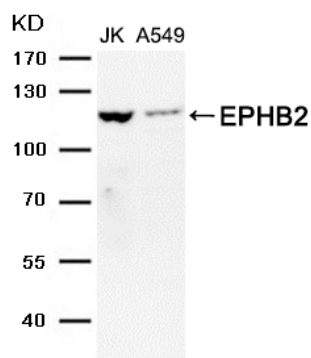
Description

Product Name	EPHB2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total EPHB2 protein.
Immunogen Description	Peptide sequence around aa.896~900 (L-S-S-G-I) derived Human from EPHB2.
Conjugates	Unconjugated
Target Name	EPHB2
Other Names	CAPB; DRT; EK5; EPH receptor B2; Ephrin type-B receptor 2
Accession No.	Swiss-Prot: P29323NCBI Protein: NP_059145.2
SDS-PAGE MW	118kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from JK and A549 cells using EPHB2 Antibody #21696.

Background

Receptor tyrosine kinase which binds promiscuously transmembrane ephrin-B family ligands 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. Functions in axon guidance during development. Involved in the guidance of commissural axons, that form a major interhemispheric connection between the 2 temporal lobes of the cerebral cortex. Also involved in guidance of contralateral inner ear efferent growth cones at the midline and of retinal ganglion cell axons to the optic disk. Beside axon guidance, also regulates dendritic spines development and maturation and stimulates the formation of excitatory synapses. Kalo MS, Yu HH, Pasquale EB. J Biol Chem 276, 38940-8 (2001)

Published Papers

et al., EphB2 represents an independent prognostic marker in patients with gastric cancer and promotes tumour cell aggressiveness. In J Cancer on 2020 Feb 21; by Yin J, Li Z, et al.. PMID: 32226496, , (2020)

[PMID:32226496](#)

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