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35-1864: Polyclonal Antibody to EPHB2

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human,Mouse,Rat
Gene :	EPHB2
Gene ID :	2048
Uniprot ID :	P29323
Format :	Purified
Alternative Name :	CAPB, DRT, EK5, EPH receptor B2, Ephrin type-B receptor 2
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.896~900 (L-S-S-G-I) derived Human from EPHB2.

Description

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)

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blotting: 1:500~1:1000

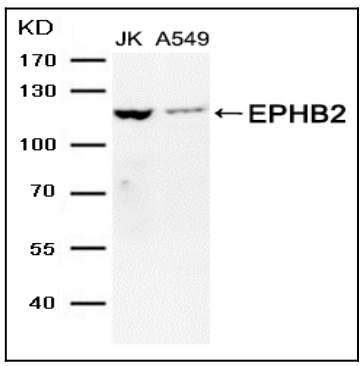


Figure 1: Western blot analysis of extracts from JK and A549 cells using EPHB2 AntibodyÃ, 35-1864 .

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