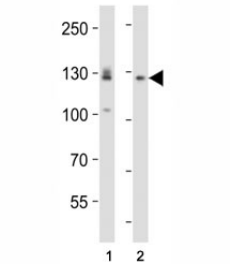
EPHA2 Antibody (F52892)

Catalog No.	Formulation	Size
F52892-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52892-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Primate
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P29317
Applications	Western blot: 1:1000
Limitations	This EPHA2 antibody is available for research use only.



Western blot analysis of lysate from (1) A431 and (2) U-87 MG cell line using EPHA2 antibody diluted at 1:1000. Expected molecular weight: 108~130 kDa.

Description

Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A 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. Activated by the ligand ephrin-A1/EFNA1 regulates migration, integrin-mediated adhesion, proliferation and differentiation of cells. Regulates cell adhesion and differentiation through DSG1/desmoglein-1 and inhibition of the

ERK1/ERK2 (MAPK3/MAPK1, respectively) signaling pathway. May also participate in UV radiation-induced apoptosis and have a ligand- independent stimulatory effect on chemotactic cell migration. During development, may function in distinctive aspects of pattern formation and subsequently in development of several fetal tissues. Involved for instance in angiogenesis, in early hindbrain development and epithelial proliferation and branching morphogenesis during mammary gland development. Engaged by the ligand ephrin-A5/EFNA5 may regulate lens fiber cells shape and interactions and be important for lens transparency development and maintenance. With ephrin-A2/EFNA2 may play a role in bone remodeling through regulation of osteoclastogenesis and osteoblastogenesis.

Visit our EPHA2 Antibody page to discover additional antibodies against this Receptor Tyrosine Kinase, including reagents for studies of cell adhesion, migration, angiogenesis, and cancer signaling.

Application Notes

Titration of the EPHA2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This EPHA2 antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 518-552 amino acids from the central region of human EPHA2.

Storage

Aliquot the EPHA2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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