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EFNA2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50698

Product Information

Application	WB
Primary Accession	O43921
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	23878

Additional Information

Gene ID	1943
Other Names	Ephrin-A2, EPH-related receptor tyrosine kinase ligand 6, LERK-6, HEK7 ligand, HEK7-L, EFNA2, EPLG6, LERK6
Dilution	WB~~1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	EFNA2
Synonyms	EPLG6, LERK6
Function	Cell surface GPI-bound 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. With the EPHA2 receptor may play a role in bone remodeling through regulation of osteoclastogenesis and osteoblastogenesis (By similarity).
Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor

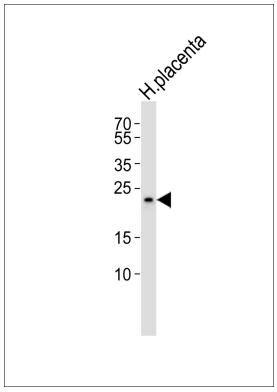
Background

Cell surface GPI-bound 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. With the EPHA2 receptor may play a role in bone remodeling through regulation of osteoclastogenesis and osteoblastogenesis (By similarity).

References

Cerretti D.P.,et al.Genomics 47:131-135(1998).
Aasheim H.-C.,et al.Biochem. Biophys. Res. Commun. 252:378-382(1998).
Grimwood J.,et al.Nature 428:529-535(2004).
Bowden T.A.,et al.Structure 17:1386-1397(2009).

Images



Western blot analysis of lysate from human placenta tissue lysate,using EFNA2 Antibody(AP50698). AP50698 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.