

# **EFNA2** Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP50698

#### **Product Information**

Application WB Primary Accession 043921

**Reactivity** Human, Mouse

HostRabbitClonalitypolyclonalCalculated MW23878

### **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°C

#### **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

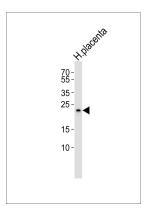
Cerretti D.P.,et al.Genomics 47:131-135(1998).

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 35 ug.

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