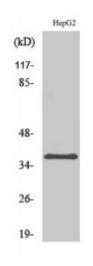


Anti-Ephrin-A3 antibody



Description

Ephrin-A3 is a protein encoded by the EFNA3 gene which is approximately 26,3 kDa. Ephrin-A3 is localised to the cell membrane. It is involved in EPHA forward signalling, the Ras signalling pathway, developmental biology and axon guidance. The ephrins make up the largest subfamily of receptor protein-tyrosine kinases, they are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Ephrin-A3 is expressed in brain, skeletal muscle, thymus, prostate, testis, ovary, and peripheral blood leukocytes. Mutations in the EFNA3 gene may result in Androgenic Alopecia. STJ92956 was affinity-purified from rabbit antiserum by affinity-chromatography using epitopespecific immunogen. This polyclonal antibody detects endogenous levels of Ephrin-A3 protein.

Model STJ92956

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IF, IHC, WB

Immunogen Synthesized peptide derived from human Ephrin-A3

Immunogen Region 130-210 aa, C-terminal

Gene ID 1944

Gene Symbol EFNA3

Dilution range WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000

Specificity Ephrin-A3 Polyclonal Antibody detects endogenous levels of Ephrin-A3

protein.

Tissue Specificity Expressed in brain, skeletal muscle, spleen, thymus, prostate, testis, ovary,

small intestine, and peripheral blood leukocytes.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Ephrin-A3 EFL-2 EHK1 ligand EHK1-L EPH-related receptor tyrosine kinase

ligand 3 LERK-3

Molecular Weight 38 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:3223OMIM:601381

Alternative Names Ephrin-A3 EFL-2 EHK1 ligand EHK1-L EPH-related receptor tyrosine kinase

ligand 3 LERK-3

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.

Cellular Localization Cell membrane. Lipid-anchor, GPI-anchor.

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