ephrin-A1 (42-1): sc-73952



The Power to Question

BACKGROUND

The Eph subfamily represents the largest group of receptor protein kinases identified to date. There is increasing evidence that Eph family members are involved in central nervous system function and in development. Ligands for Eph receptors include ephrin-A1 (LERK-1/B61), identified as a ligand for the EphA2 (Eck) receptor; ephrin-A2 (ELF-1), identified as a ligand for the EphA3 and EphA4 (Sek) receptors; ephrin-A3 (LERK-3), identified as a ligand for EphA5 (Ehk1) and EphA3 (Hek) receptors; ephrin-A4 (LERK-4), identified as a ligand for the EphA3 receptor; ephrin-A5 (AL-1), identified as a ligand for EphA5 (REK7); ephrin-B1 (LERK-2), identified as a ligand for the EphB1 (Elk) and EphB2 (Cek5) receptors; ephrin-B2 (LERK-5), identified as a ligand for the EphB1, EphB3 (Cek10) and EphB2 receptors; and ephrin-B3 (LERK-8), identified as a ligand for EphB1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Efna1 (mouse) mapping to 3 F1.

SOURCE

ephrin-A1 (42-1) is a rat monoclonal antibody raised against the extracellular domain of ephrin-A1 of mouse origin.

PRODUCT

Each vial contains 100 $\mu g~lgG_{2b}$ in 1.0 ml of PBS with < 0.1% sodium azide and protein stabilizer.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

APPLICATIONS

ephrin-A1 (42-1) is recommended for detection of ephrin-A1 of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Suitable for use as control antibody for ephrin-A1 siRNA (m): sc-39427, ephrin-A1 shRNA Plasmid (m): sc-39427-SH and ephrin-A1 shRNA (m) Lentiviral Particles: sc-39427-V.

Molecular Weight of ephrin-A1 isoform 1: 24 kDa.

Molecular Weight of ephrin-A1 isoform 2: 21 kDa.

STORAGE

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

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