**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 (Eik) 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**


**CHROMOSOMAL LOCATION**

Genetic locus: EFNB3 (human) mapping to 17p13.1; Efnb3 (mouse) mapping to 11 B3.

**SOURCE**

ephrin-B3 (N-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of ephrin-B3 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-7281 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**STORAGE**

Store at 4° C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**APPLICATIONS**

ephrin-B3 (N-19) is recommended for detection of ephrin-B3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

ephrin-B3 (N-19) is also recommended for detection of ephrin-B3 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ephrin-B3 siRNA (h): sc-39440, ephrin-B3 siRNA (m): sc-39441, ephrin-B3 shRNA Plasmid (h): sc-39440-SH, ephrin-B3 shRNA Plasmid (m): sc-39441-SH, ephrin-B3 shRNA (h) Lentiviral Particles: sc-39440-V and ephrin-B3 shRNA (m) Lentiviral Particles: sc-39441-V.

**DATA**

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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