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ProductInformation

ANTI-EPHB1 (ELK RECEPTOR)-CY
Developed in Sheep, IgG Fraction of Antiserum

Product Number **E 7517**

Product Description

Anti-EphB1 (Elk Receptor)-CY is developed in sheep using a highly purified fusion protein of GST and EphB1 (Elk Receptor)-CY corresponding to amino acid residues 586-984 of human EphB1 as the immunogen.

Anti-EphB1 (Elk Receptor)-CY recognizes the cytoplasmic region of human EphB1 protein by immunoblotting and immunoprecipitation.

EphB family proteins bind ephrins of the B class. EphB1 is expressed predominately in developing neural structures in embryos, and in vascular epithelium of kidney, and other tissues. Upon binding to alternatively oligomerized ephrin B1, EphB1 signals regulation of cell attachment and cell-cell assembly. Members of this protein family are implicated in neuronal and vascular cell targeting.

Reagents

Anti-EphB1 (Elk Receptor)-CY is supplied as 250 µg of purified IgG at a concentration of 0.2 µM in phosphate buffered saline with 0.08% sodium azide.

Precautions and Disclaimer

Due to the sodium azide content, a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous and safe handling practices.

Storage/Stability

Antibodies should be stored at –20°C. For extended storage, freeze in working aliquots. Repeated freezing and thawing is not recommended. Storage in "frost-free" freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

The recommended working dilution is 1-10 µg/ml for immunoblotting using peroxidase conjugated anti-sheep IgG and detection by chemiluminescence. The recommended working dilution is 10-20 µg/ml for immunprecipitation.

Note: In order to obtain best results and assay sensitivities of different techniques and preparations, we recommend determining optimal working dilutions by titration test.

References

1. Gao, P.P. et al., J. Neurosci. Res., **60(4)**, 427-436 (2000).
2. Wahl, S. et al., J. Cell Biol., **149(2)**, 263-270 (2000).

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