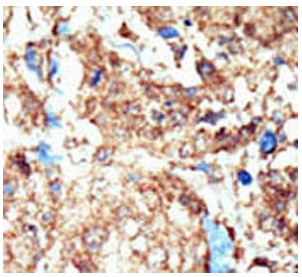
Eph Receptor B1 Antibody / EphB1 (F54445)

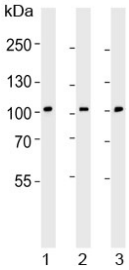
Catalog No.	Formulation	Size
F54445-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54445-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

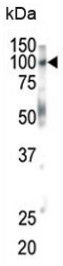
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	P54762
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25
Limitations	This Eph Receptor B1 antibody is available for research use only.



IHC testing of FFPE human breast cancer tissue with Eph Receptor B1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human 1) A431, 2) HeLa and 3) MDA-MB-453 cell lysate with Eph Receptor B1 antibody. Predicted molecular weight ~110 kDa.



Western blot testing of mouse brain lysate with Eph Receptor B1 antibody. Predicted molecular weight ~110 kDa.

Description

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).

Application Notes

The stated application concentrations are suggested starting points. Titration of the Eph Receptor B1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 955-984 from the human protein was used as the immunogen for the Eph Receptor B1 antibody.

Storage

Aliquot the EphB1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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