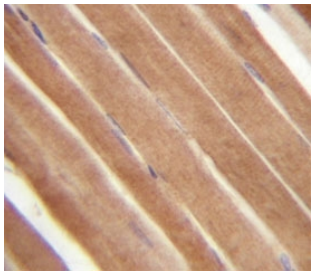
Eph Receptor B2 Antibody [EphB2] (F50585)

Catalog No.	Formulation	Size
F50585-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50585-0.08ML	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 IgG
Purity	Purified
UniProt	P29323
Applications	IHC (Paraffin): 1:10-1:100
Limitations	This EphB2 antibody is available for research use only.



EphB2 antibody analysis in formalin fixed and paraffin embedded human skeletal muscle

Description

Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The ligand-activated form of EphB2, which belongs to the Tyr family of protein kinases, interacts with multiple proteins, including GTPase-activating protein (RASGAP) through

its SH2 domain. It binds RASGAP through the juxtamembrane tyrosines residues, and also interacts with PRKCABP and GRIP1 This type I membrane protein is expressed in brain, heart, lung, kidney, placenta, pancreas, liver and skeletal muscle. It is preferentially expressed in fetal brain. This protein contains putatively 2 fibronectin type III domains and 1 sterile alpha motif (SAM) domain.

For additional reagents targeting this ephrin-binding receptor tyrosine kinase, see our EPHB2 Antibody / Ephrin B Receptor Tyrosine Kinase Antibody page.

Application Notes

Titration of the EphB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 103-133 from the human protein was used as the immunogen for this EphB2 antibody.

Storage

Aliquot the EphB2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.