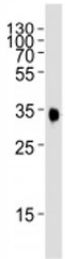
Eph Receptor B2 Antibody [EPHB2] [clone 48CT12.6.4] (F40413)

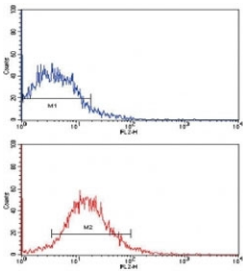
Catalog No.	Formulation	Size
F40413-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F40413-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

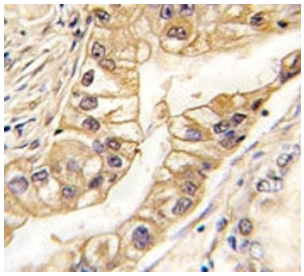
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, k
Clone Name	48CT12.6.4
Purity	Purified
UniProt	P29323
Applications	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50 IHC (Paraffin) : 1:200
Limitations	This EPHB2 antibody is available for research use only.



Western blot analysis partial EPHB2 protein using EphB2 antibody at 1:1000.



Flow cytometric analysis of HepG2 cells using EPHB2 antibody (red) compared to a negative control (blue). PE-conjugated goat-anti-mouse secondary Ab was used for the analysis.



IHC analysis of FFPE human lung carcinoma tissue stained with EPHB2 antibody

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 protein encoded by this gene is a receptor for ephrin-B family members.

Application Notes

Titration of the EPHB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Purified His-tagged protein (from amino acids 127~425) was used to produce this monoclonal EPHB2 antibody.

Storage

Aliquot the EPHB2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.