

# **EphB4 Monoclonal Antibody**

### Description

Product type Primary Antibody

Code BT-MCA0491

Host Mouse

Isotype IgG

Size 50ul, 100ul

Immunogen Purified recombinant fragment of EphB4 expressed in E. Coli.

Mol wt N/A

Species reactivity Human

Clonality Monoclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name Ephrin type-B receptor 4

Synonyms EPHB4; HTK; MYK1; TYRO11; Ephrin type-B receptor 4; Hepatoma transmembrane kinase; Tyrosine-

protein kinase TYRO11

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

#### Background

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 binds to ephrin-B2 and plays an essential role in vascular development.

# Recommended Dilution

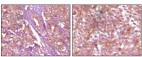
ELISA: 1:10000 IHC: 1:200 - 1:1000 WB: 1:500 - 1:2000

Not yet tested in other applications.

### **Images**



Western Blot analysis using EphB4 Monoclonal antibody against truncated EphB4 recombinant protein.



Immunohistochemistry analysis of paraffin-embedded Human pancreas carcinoma (left) and breast carcinoma (right) tissue, showing membrane and cytoplasmic (pancreas carcinoma) localization, membrane (breast carcinoma) localization with DAB staining using Ep

## Storage

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