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# EphB4 Antibody Blocking Protein

**protein**

**Catalog # BP7625d**

## Specification

### EphB4 Antibody Blocking Protein - Product Information

| | |
|---|---|
| Primary Accession | P54760 |
| Calculated MW | **Da Da** |

### EphB4 Antibody Blocking Protein - Additional Information

Gene ID **2050**

**Other Names**
Ephrin type-B receptor 4, Hepatoma transmembrane kinase, Tyrosine-protein kinase TYRO11, EPHB4, HTK, MYK1, TYRO11

**Target/Specificity**
The synthetic protein used to generate the antibody AP7625d was selected from the region of human EphB4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**
The protein is supplied in PBS.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### EphB4 Antibody Blocking Protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### EphB4 Antibody Blocking Protein - Images

### EphB4 Antibody Blocking Protein - 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. EphB4 binds to ephrin-B2 and plays an essential role in vascular development.

**EphB4 Antibody Blocking Protein - References**

Steinle, J.J., et al., J. Biol. Chem. 277(46):43830-43835 (2002). Suenobu, S., et al., Biochem. Biophys. Res. Commun. 293(3):1124-1131 (2002). Wang, Z., et al., Blood 99(8):2740-2747 (2002). Wilson, M.D., et al., Nucleic Acids Res. 29(6):1352-1365 (2001). Wilkinson, D.G., Nat Rev Neurosci 2(3):155-164 (2001).

**EphB4 Antibody Blocking Protein - Citations**

- Eph/ephrin profiling in human breast cancer reveals significant associations between expression level and clinical outcome.