

**Mouse Epha1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14618c****Specification**

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**Mouse Epha1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q60750](#)**Mouse Epha1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 13835**Other Names**

Ephrin type-A receptor 1, mEpha1, Embryonic stem cell kinase, Tyrosine-protein kinase receptor ESK, Epha1, Esk

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**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.

**Mouse Epha1 Antibody (Center) Blocking Peptide - Protein Information****Name** Epha1**Synonyms** Esk**Function**

Receptor tyrosine kinase which binds promiscuously membrane- bound ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Binds with a low affinity EFNA3 and EFNA4 and with a high affinity to EFNA1 which most probably constitutes its cognate/functional ligand. Upon activation by EFNA1 induces cell attachment to the extracellular matrix inhibiting cell spreading and motility through regulation of ILK and downstream RHOA and RAC. Also plays a role in angiogenesis and regulates cell proliferation. May play a role in apoptosis.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

**Tissue Location**

Preferentially expressed in epithelial cells including skin, kidney, liver and thymus

(PubMed:11519828, PubMed:18802966). Expressed in myogenic progenitor cells (PubMed:27446912).

### **Mouse EphA1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **Mouse EphA1 Antibody (Center) Blocking Peptide - Images**

### **Mouse EphA1 Antibody (Center) Blocking Peptide - Background**

Receptor for members of the ephrin-A family. Binds with a low affinity to ephrin-A1.

### **Mouse EphA1 Antibody (Center) Blocking Peptide - References**

Islam, S., et al. Dig. Dis. Sci. 55(9):2478-2488(2010)Zirzow, S., et al. Dev. Biol. 336(2):145-155(2009)North, H.A., et al. Development 136(14):2467-2476(2009)Abdul-Aziz, N.M., et al. Int. J. Dev. Biol. 53(4):559-568(2009)Duffy, S.L., et al. Genesis 46(10):553-561(2008)