

**Mouse Epha8 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16106b****Specification**

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**Mouse Epha8 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O09127](#)**Mouse Epha8 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 13842**Other Names**

Ephrin type-A receptor 8, EPH- and ELK-related kinase, Tyrosine-protein kinase receptor EEK, Epha8, Eek

**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 Epha8 Antibody (C-term) Blocking Peptide - Protein Information****Name** Epha8**Synonyms** Eek**Function**

Receptor tyrosine kinase which binds promiscuously GPI- anchored 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. The GPI-anchored ephrin-A EFNA2, EFNA3, and EFNA5 are able to activate EPHA8 through phosphorylation. With EFNA5 may regulate integrin-mediated cell adhesion and migration on fibronectin substrate but also neurite outgrowth. During development of the nervous system also plays a role in axon guidance. Downstream effectors of the EPHA8 signaling pathway include FYN which promotes cell adhesion upon activation by EPHA8 and the MAP kinases in the stimulation of neurite outgrowth.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Cell projection. Early endosome membrane. Note=Undergoes clathrin-mediated endocytosis upon EFNA5-binding and is targeted to early endosomes (PubMed:20496116).

**Tissue Location**

Specifically expressed in the central nervous system

**Mouse Epha8 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**Mouse Epha8 Antibody (C-term) Blocking Peptide - Images****Mouse Epha8 Antibody (C-term) Blocking Peptide - Background**

Receptor for members of the ephrin-A family. Interacts at least with ephrin-A2, -A3, and -A5.

**Mouse Epha8 Antibody (C-term) Blocking Peptide - References**

Islam, S., et al. Dig. Dis. Sci. 55(9):2478-2488(2010)Shimogori, T., et al. Nat. Neurosci. 13(6):767-775(2010)Kim, J., et al. Mol. Cell. Biol. 30(7):1582-1592(2010)Abdul-Aziz, N.M., et al. Int. J. Dev. Biol. 53(4):559-568(2009)Shin, J., et al. Mol. Cell. Biol. 27(23):8113-8126(2007)