10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Ryk Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17909c

Specification

Mouse Ryk Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q01887

Mouse Ryk Antibody (Center) Blocking Peptide - Additional Information

Gene ID 20187

Other Names
Tyrosine-protein kinase RYK, Kinase VIK, Met-related kinase, NYK-R, Ryk, Mrk

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 Ryk Antibody (Center) Blocking Peptide - Protein Information

Name Ryk

Synonyms Mrk

Function
May be a coreceptor along with FZD8 of Wnt proteins, such as WNT1, WNT3, WNT3A and WNT5A. Involved in neuron differentiation, axon guidance, corpus callosum establishment and neurite outgrowth. In response to WNT3 stimulation, receptor C-terminal cleavage occurs in its transmembrane region and allows the C-terminal intracellular product to translocate from the cytoplasm to the nucleus where it plays a crucial role in neuronal development.

Cellular Location
Membrane; Single- pass type I membrane protein. Nucleus. Cytoplasm Note=In cells that have undergone neuronal differentiation, the C- terminal cleaved part is translocated from the cytoplasm to the nucleus

Tissue Location
Is detected in all the tissues. Highest levels are seen in the ovary, lung and placenta

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Ryk Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse Ryk Antibody (Center) Blocking Peptide - Images

Mouse Ryk Antibody (Center) Blocking Peptide - Background

Ryk is potential growth factor receptor protein tyrosine kinase.

Mouse Ryk Antibody (Center) Blocking Peptide - References

Buchert, M., et al. PLoS Genet. 6 (1), E1000816 (2010) :Lyu, J., et al. Dev. Cell 15(5):773-780(2008)Tamplin, O.J., et al. BMC Genomics 9, 511 (2008) :Keeble, T.R., et al. J. Neurosci. 26(21):5840-5848(2006)Schmitt, A.M., et al. Nature 439(7072):31-37(2006)