

ROBO2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13883a**Specification**

ROBO2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9HCK4](#)**ROBO2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 6092**Other Names**

Roundabout homolog 2, ROBO2, KIAA1568

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13883a was selected from the N-term region of ROBO2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

ROBO2 Antibody (N-term) Blocking peptide - Protein Information**Name** ROBO2**Synonyms** KIAA1568**Function**

Receptor for SLIT2, and probably SLIT1, which are thought to act as molecular guidance cue in cellular migration, including axonal navigation at the ventral midline of the neural tube and projection of axons to different regions during neuronal development.

Cellular Location

Membrane; Single-pass type I membrane protein

ROBO2 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ROBO2 Antibody (N-term) Blocking peptide - Images

ROBO2 Antibody (N-term) Blocking peptide - Background

This gene belongs to the ROBO family, part of the immunoglobulin superfamily proteins that are highly conserved from fly to human. The encoded protein is a receptor for SLIT2, molecules known to function in axon guidance and cell migration. Defects in this gene are the cause of vesicoureteral reflux type 2. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

ROBO2 Antibody (N-term) Blocking peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Yue, Y., et al. Genomics 88(6):772-778(2006)Hivert, B., et al. Mol. Cell. Neurosci. 21(4):534-545(2002)Kidd, T., et al. Cell 92(2):205-215(1998)