

DLX4 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14046c

Specification

DLX4 Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q92988](#)

DLX4 Antibody (Center) Blocking peptide - Additional Information

Gene ID 1748

Other Names

Homeobox protein DLX-4, Beta protein 1, Homeobox protein DLX-7, Homeobox protein DLX-8, DLX4, BP1, DLX7, DLX8, DLX9

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14046c was selected from the Center region of DLX4. 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.

DLX4 Antibody (Center) Blocking peptide - Protein Information

Name DLX4

Synonyms BP1, DLX7, DLX8, DLX9

Function

May play a role in determining the production of hemoglobin S. May act as a repressor. During embryonic development, plays a role in palatogenesis.

Cellular Location

Nucleus.

Tissue Location

Expressed in leukemia cells and placenta. Also expressed in kidney and fetal liver.

DLX4 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

DLX4 Antibody (Center) Blocking peptide - Images

DLX4 Antibody (Center) Blocking peptide - Background

Many vertebrate homeo box-containing genes have been identified on the basis of their sequence similarity with *Drosophila* developmental genes. Members of the Dlx gene family contain a homeobox that is related to that of Distal-less (Dll), a gene expressed in the head and limbs of the developing fruit fly. The Distal-less (Dlx) family of genes comprises at least 6 different members, DLX1-DLX6. The DLX proteins are postulated to play a role in forebrain and craniofacial development. Three transcript variants have been described for this gene, however, the full length nature of one variant has not been described. Studies of the two splice variants revealed that one encoded isoform functions as a repressor of the beta-globin gene while the other isoform lacks that function.

DLX4 Antibody (Center) Blocking peptide - References

Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) ; Schwartz, A.M., et al. Mod. Pathol. 22(1):1-6(2009) Man, Y.G., et al. Cancer Biomark 5(1):9-17(2009) Cavalli, L.R., et al. Cancer Genet. Cytogenet. 187(1):19-24(2008) Vieira, A.R., et al. Genet. Med. 10(9):668-674(2008)