

DLX5 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14365c**Specification**

DLX5 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P56178](#)**DLX5 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1749**Other Names**

Homeobox protein DLX-5, DLX5

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.

DLX5 Antibody (Center) Blocking Peptide - Protein Information**Name** DLX5**Function**

Transcriptional factor involved in bone development. Acts as an immediate early BMP-responsive transcriptional activator essential for osteoblast differentiation. Stimulates ALPL promoter activity in a RUNX2-independent manner during osteoblast differentiation. Stimulates SP7 promoter activity during osteoblast differentiation. Promotes cell proliferation by up-regulating MYC promoter activity. Involved as a positive regulator of both chondrogenesis and chondrocyte hypertrophy in the endochondral skeleton. Binds to the homeodomain-response element of the ALPL and SP7 promoter. Binds to the MYC promoter. Requires the 5'-TAATTA-3' consensus sequence for DNA-binding.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

DLX5 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DLX5 Antibody (Center) Blocking Peptide - Images

DLX5 Antibody (Center) Blocking Peptide - Background

This gene encodes a member of a homeobox transcriptionfactor gene family similiar to the Drosophila distal-less gene. Theencoded protein may play a role in bone development and fracturehealing. Mutation in this gene, which is located in a tail-to-tailconfiguration with another member of the family on the long arm ofchromosome 7, may be associated with split-hand/split-footmalformation.

DLX5 Antibody (Center) Blocking Peptide - References

Nakashima, N., et al. Brain Dev. 32(2):98-104(2010)Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)Xu, J., et al. J. Biol. Chem. 284(31):20593-20601(2009)Kato, T., et al. Clin. Cancer Res. 14(8):2363-2370(2008)