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ALX1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17822c

Specification

ALX1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q15699

ALX1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 8092

Other Names
ALX homeobox protein 1, Cartilage homeoprotein 1, CART-1, ALX1, CART1

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.

ALX1 Antibody (Center) Blocking Peptide - Protein Information

Name ALX1 (HGNC:1494)

Function
Sequence-specific DNA-binding transcription factor that binds palindromic sequences within promoters and may activate or repress the transcription of a subset of genes (PubMed:8756334, PubMed:9753625). Most probably regulates the expression of genes involved in the development of mesenchyme-derived craniofacial structures. Early on in development, it plays a role in forebrain mesenchyme survival (PubMed:20451171). May also induce epithelial to mesenchymal transition (EMT) through the expression of SNAI1 (PubMed:23288509).

Cellular Location
Nucleus

Tissue Location
Cartilage and cervix tissue.

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ALX1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

ALX1 Antibody (Center) Blocking Peptide - Images

ALX1 Antibody (Center) Blocking Peptide - Background

The specific function of this gene has yet to bedetermined in humans; however, in rodents, it is necessary forsurvival of the forebrain mesenchyme and may also be involved indevelopment of the cervix. Mutations in the mouse gene lead toneural tube defects such as acrania and meroanencephaly. [providedby RefSeq].

ALX1 Antibody (Center) Blocking Peptide - References

Uz, E., et al. Am. J. Hum. Genet. 86(5):789-796(2010)Iioka, T., et al. J. Bone Miner. Res. 18(8):1419-1429(2003)Qu, S., et al. Development 126(2):359-369(1999)Cai, R.L. Biochem. Biophys. Res. Commun. 250(2):305-311(1998)Gordon, D.F., et al. DNA Cell Biol. 15(7):531-541(1996)