

ALX1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17822c**Specification**

ALX1 Antibody (Center) Blocking Peptide - Product InformationPrimary 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 InformationName 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:9753625, PubMed:8756334). 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.

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 be determined in humans; however, in rodents, it is necessary for survival of the forebrain mesenchyme and may also be involved in development of the cervix. Mutations in the mouse gene lead to neural tube defects such as anencephaly and cranioencephaly. [provided by RefSeq].

ALX1 Antibody (Center) Blocking Peptide - References

Uz, E., et al. Am. J. Hum. Genet. 86(5):789-796(2010) Ilioka, 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)