

**CDX4 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6132a****Specification**

---

**CDX4 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O14627](#)**CDX4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 1046**Other Names**

Homeobox protein CDX-4, Caudal-type homeobox protein 4, CDX4

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6132a](/product/products/AP6132a) was selected from the N-term region of human CDX4 . 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.

**CDX4 Antibody (N-term) Blocking Peptide - Protein Information****Name** CDX4**Cellular Location**

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

**CDX4 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CDX4 Antibody (N-term) Blocking Peptide - Images****CDX4 Antibody (N-term) Blocking Peptide - Background**

CDX4 is a member of the 'caudal-related' family of homeo box genes. It is located in the mouse 100 kb distal to Xist, and the 2 genes are transcribed convergently. It has been demonstrated that CDX4 is located proximal to XIST in the human.<sup>1</sup> In contrast to Xist, Cdx4 appears to be normally X-inactivated in mice. CDX4 is identified as the locus mutated in 'kugelig' (kkg), a zebrafish mutant with an early defect in hematopoiesis that is associated with abnormal anteroposterior patterning and aberrant hox gene expression.<sup>2</sup> A series of evidence from the zebrafish mutant model suggests that cdx4 regulates hox genes and is necessary for the specification of hematopoietic cell fate during vertebrate embryogenesis.

#### **CDX4 Antibody (N-term) Blocking Peptide - References**

Horn, J.M., et al., Hum. Mol. Genet. 4(6):1041-1047 (1995).