

## CDX4 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP6132a

### **Specification**

## CDX4 Antibody (N-term) Blocking Peptide - Product Information

**Primary Accession** 

014627

# 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 <a href=/product/products/AP6132a>AP6132a</a> 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}.

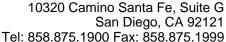
### CDX4 Antibody (N-term) Blocking Peptide - Protocols

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.1 In contrast to Xist, Cdx4 appears to be normally X-inactivated in mice. CDX4 is identified as the locus mutated in 'kugelig' (kgg), a zebrafish mutant with an early defect in hematopoiesis that is associated with abnormal anteroposterior patterning and aberrant hox gene expression.2 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).