

## **BarX1 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59024

## **Specification**

## **BarX1 Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF, E

Primary Accession <u>Q9HBU1</u>

Reactivity
Host
Clonality
Calculated MW
Physical State
Rat, Pig, Bovine
Rabbit
Polyclonal
27 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human BarX1

Epitope Specificity 185-254/254

lsotype IgG

**Purity** affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

SIMILARITY Belongs to the BAR homeobox

family.Contains 1 homeobox DNA-binding

domain.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

## **Background Descriptions**

BarX1 belongs to the Bar subclass of the homeobox gene family. The function of this gene has not yet been determined; however, studies in the mouse and chick homolog suggest a role in developing teeth and craniofacial mesenchyme of neural crest origin. The role of these homologs implicates the human gene as a candidate for unmapped disorders involving tooth and jaw development.

## **BarX1 Polyclonal Antibody - Additional Information**

**Gene ID** 56033

**Other Names** 

Homeobox protein BarH-like 1, BARX1

## Target/Specificity

Widely expressed. Expressed at higher levels in testis and heart. Detected in craniofacial tissue and adult iris, but not in lymphocytes, fibroblasts, choroid retina, retinal pigment epithelium, kidney, or fetal liver.

**Dilution** 



<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \> <span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \> <span class
="dilution\_IF">IF~~1:50~200</span> <br \> <span class ="dilution\_E">E~~N/A</span>

### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

# **BarX1 Polyclonal Antibody - Protein Information**

### Name BARX1

### **Function**

Transcription factor, which is involved in craniofacial development, in odontogenesis and in stomach organogenesis. May have a role in the differentiation of molars from incisors. Plays a role in suppressing endodermal Wnt activity (By similarity). Binds to a regulatory module of the NCAM promoter.

### **Cellular Location**

Nucleus.

### **Tissue Location**

Widely expressed. Expressed at higher levels in testis and heart. Detected in craniofacial tissue and adult iris, but not in lymphocytes, fibroblasts, choroid retina, retinal pigment epithelium, kidney, or fetal liver

## **BarX1 Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **BarX1 Polyclonal Antibody - Images**