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BarX1 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7276c

Specification

BarX1 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9HBU1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**27298**
Antigen Region	**119-148**

BarX1 Antibody (Center) - Additional Information

Gene ID 56033

Other Names
Homeobox protein BarH-like 1, BARX1

Target/Specificity
This BarX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-148 amino acids from the Central region of human BarX1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
BarX1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

BarX1 Antibody (Center) - 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.

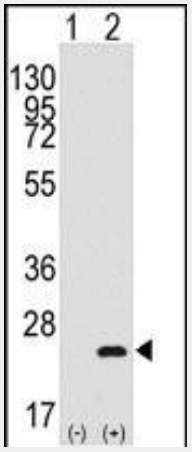
Tissue Location
Widely expressed. Expressed at higher levels in testis and heart. Detected in craniofacial tissue and adult iris, but not in lymphocytes, fibroblasts, choroid retina, retinal pigment epithelium, kidney, or fetal liver

BarX1 Antibody (Center) - Protocols

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

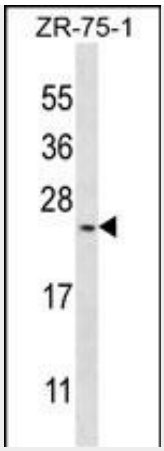
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BarX1 Antibody (Center) - Images



Western blot analysis of BarX1(arrow) using rabbit polyclonal BarX1 Antibody (C-term) (RB14083). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the BarX1 gene (Lane 2) (Origene Technologies).

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BarX1 Antibody (C-term) (Cat. #AP7276c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the BarX1 antibody detected the BarX1 protein (arrow).

BarX1 Antibody (Center) - Background

BarX1 is a member of the Bar subclass of homeobox transcription factors. Studies of the mouse and chick homolog suggest this protein may play a role in developing teeth and craniofacial mesenchyme of neural crest origin. The protein may also be associated with differentiation of stomach epithelia.

BarX1 Antibody (Center) - References

Lowry,R.B., Am. J. Med. Genet. A 143 (11), 1227-1230 (2007)
Gould,D.B., Genomics 68 (3), 336-342 (2000)