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BarX1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59024

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9HBU1
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27298
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BarX1
Epitope Specificity	185-254/254
Isotype	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.

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	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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.

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