

HOXA1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51262

Product Information

Application	WB, IP, ICC, IHC-P
Primary Accession	P49639
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36660

Additional Information

Gene ID	3198
Other Names	Homeobox protein Hox-A1, Homeobox protein Hox-1F, HOXA1, HOX1F
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HOXA1. The exact sequence is proprietary.
Dilution	WB~~1:1000 IP~~N/A ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	HOXA1
Synonyms	HOX1F
Function	Sequence-specific transcription factor (By similarity). Regulates multiple developmental processes including brainstem, inner and outer ear, abducens nerve and cardiovascular development and morphogenesis as well as cognition and behavior (PubMed: 16155570). Also part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Acts on the anterior body structures. Seems to act in the maintenance and/or generation of hindbrain segments (By similarity). Activates transcription in the presence of PBX1A and PKNX1 (By similarity).
Cellular Location	Nucleus {ECO:0000250 UniProtKB:P09022}.

Background

Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Acts on the anterior body structures. Seems to act in the maintenance and/or generation of hindbrain segments.

References

Hong Y.S.,et al.Gene 159:209-214(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Scherer S.W.,et al.Science 300:767-772(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 424:157-164(2003).

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