

HOXA3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54446

Specification

HOXA3 Polyclonal Antibody - Product Information

Application Primary Accession

Reactivity
Host
Clonality
Calculated MW
Physical State
Immunogen

Epitope Specificity

Isotype **Purity**

affinity purified by Protein A

Buffer

SUBCELLULAR LOCATION

SIMILARITY

Important Note

WB, IHC-P, IHC-F, IF, ICC, E

043365

Rat, Pig, Dog, Bovine

Rabbit Polyclonal 46 KDa Liquid

KLH conjugated synthetic peptide derived

from human HOXA3

201-300/443

laG

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

Proclin300 and 50% Glycerol.

Nucleus.

Belongs to the Antp homeobox family. Contains 1 homeobox DNA-binding domain. This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The Hox proteins play a role in development and cellular differentiation by regulating downstream target genes. Specifically, the Hox proteins direct DNA-protein and protein-protein interactions that assist in determining the morphologic features associated with the anterior-posterior body axis. The mammalian HOX gene complex consists of 39 genes that are located on four linkage groups, which are dispersed over four chromosomes. HOX genes that occupy the same relative position along the 5' to 3' coordinate (trans-paralogous genes) are more similar in sequence and expression pattern than adjacent HOX genes on the same chromosome. HoxA3, in conjunction with Pax1, mediates the development of the thymus, parathyroid gland, and carotid body. Its expression in the third pharyngeal arch and pouch is required for development of the third arch artery, and homozygous null HoxA3 mutants lack the carotid body. HoxA3 also regulates hindbrain development by controlling the axon projection pattern of motor neurons and sensory neurons of the proximal and distal ganglia.

HOXA3 Polyclonal Antibody - Additional Information

Gene ID 3200

Other Names

Homeobox protein Hox-A3, Homeobox protein Hox-1E, HOXA3, HOX1E



Dilution

WB~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

HOXA3 Polyclonal Antibody - Protein Information

Name HOXA3

Synonyms HOX1E

Function

Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.

Cellular Location

Nucleus.

HOXA3 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

HOXA3 Polyclonal Antibody - Images