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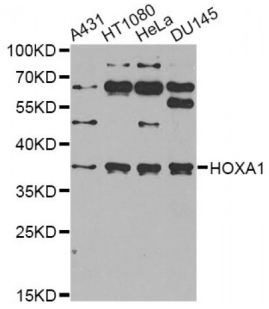
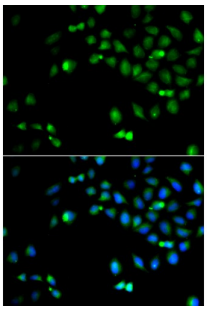
DATASHEET

Homeobox Protein Hox-A1 (HOXA1) Antibody

Catalogue No.:abx005260



Western blot analysis of extracts of various cell lines, using HOXA1 antibody (abx005260) at 1/1000 dilution.



Immunofluorescence analysis of A549 cells using HOXA1 antibody (abx005260). Blue: DAPI for nuclear staining.

HOXA1 Antibody is a Rabbit Polyclonal antibody against HOXA1. In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. Two transcript variants encoding two different isoforms have been found for this gene, with only one of the isoforms containing the homeodomain region.

Target:	HOXA1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IF/ICC
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant protein of human HOXA1.
Purification:	Affinity purified.

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Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 14 kDa/24 kDa/36 kDa Observed MW: 37 kDa
Swiss Prot:	P49639
GeneID:	3198
Gene Symbol:	HOXA1
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.