



Datasheet for ABIN7295894  
**anti-HOXA1 antibody (Center)**



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	HOXA1
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HOXA1.
Specificity:	Recognizes endogenous levels of HOXA1 protein.
Characteristics:	Rabbit polyclonal antibody to HOXA1
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	HOXA1
Alternative Name:	HOXA1 ( <a href="#">HOXA1 Products</a> )

## Target Details

Background:	HOX1F, Homeobox protein Hox-A1, Homeobox protein Hox-1F
Gene ID:	3198, 25607
UniProt:	<a href="#">P49639</a> , <a href="#">P09022</a> , <a href="#">O08656</a>
Pathways:	<a href="#">Sensory Perception of Sound</a>

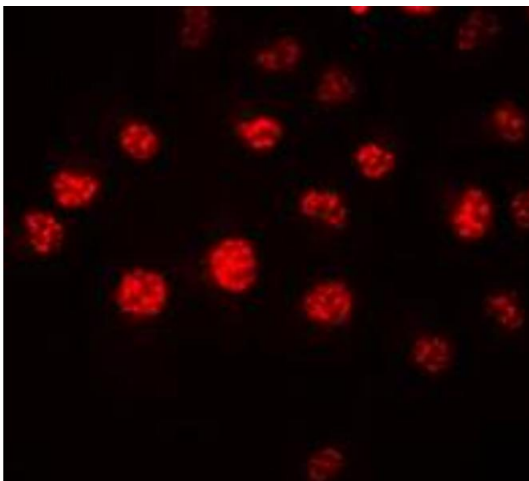
## Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500), IP (1:10 - 1:100)
Restrictions:	For Research Use only

## Handling

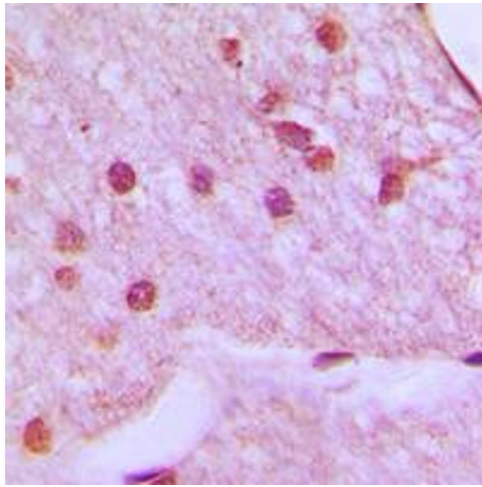
Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

## Images



### Immunofluorescence

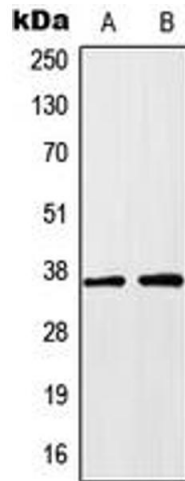
**Image 1.** Immunofluorescent analysis of HOXA1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room



temperature in the dark. DAPI was used to stain the cell nuclei (blue).

### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of HOXA1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



### Western Blotting

**Image 3.** Western blot analysis of HOXA1 expression in HEK293T (A), HeLa (B) whole cell lysates.