

Datasheet for ABIN2776013
anti-HOXA1 antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	HOXA1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HOXA1
Sequence:	NLGVSYSHSS CGPSYGSQNF SAPYSPYALN QEADPPRSLS LPRIGDIFSS
Predicted Reactivity:	Cow: 92%, Dog: 92%, Guinea Pig: 92%, Horse: 93%, Human: 100%, Mouse: 86%, Rabbit: 92%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against HOXA1. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	HOXA1
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Target Details

Alternative Name:	HOXA1 (HOXA1 Products)
Background:	<p>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. HOXA1 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.</p> <p>Alias Symbols: BSAS, HOX1, HOX1F</p> <p>Protein Interaction Partner: KRTAP26-1, NOTCH2NL, KRTAP12-4, KRTAP10-3, KRTAP10-8, KRTAP4-11, KRTAP10-5, KRTAP10-11, KRTAP10-1, KRTAP10-9, TBC1D10C, KRTAP12-1, KRTAP12-2, LCE3E, LCE1B, TRIM42, LCE4A, MGAT5B, KRT40, KRTAP4-2, KRTAP4-7, KRTAP9-4, KRTAP9-2, KRTAP3-2, KRTAP4-12, CCDC33,</p> <p>Protein Size: 132</p>
Molecular Weight:	14 kDa
Gene ID:	3198
NCBI Accession:	NM_153620 , NP_705873
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 132 AA
Restrictions:	For Research Use only

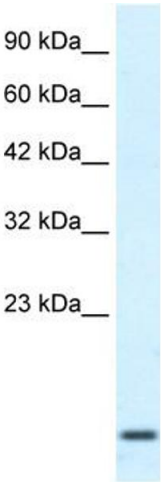
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

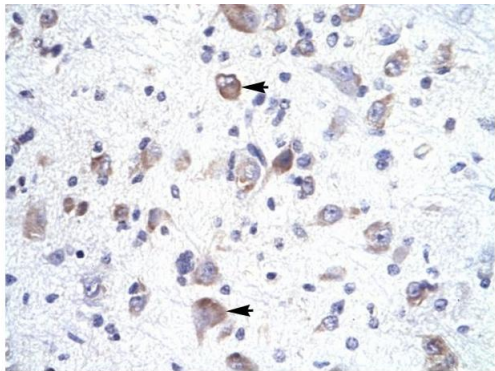
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-HOXA1 Antibody Titration: 2.5ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate



Rabbit Anti-HOXA1 Antibody
Catalog Number: ARP34773
Lot Number: QC4158
Paraffin Embedded Tissue: Human Brain
Cells with Positive label: Neural cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Brain