

## ARG41602 anti-HOXB9 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes HOXB9
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Hrs, Pig, Rb
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HOXB9
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human HOXB9. (within the following region: SPHASGSLPSVYHPYIQPGVPPAESRYLRTWLEPAPRGEEAAPGQGQAAV)
Conjugation	Un-conjugated
Alternate Names	HOX2; Homeobox protein Hox-2.5; HOX2E; Homeobox protein Hox-2E; Homeobox protein Hox-B9; HOX-2.5

### Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 100%; Dog: 93%; Horse: 100%; Mouse: 79%; Pig: 100%; Rabbit: 100%; Rat: 79%				
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>IHC-P</td><td>4 - 8 µg/ml</td></tr> </table>	Application	Dilution	IHC-P	4 - 8 µg/ml
Application	Dilution				
IHC-P	4 - 8 µg/ml				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Human fetal liver				

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

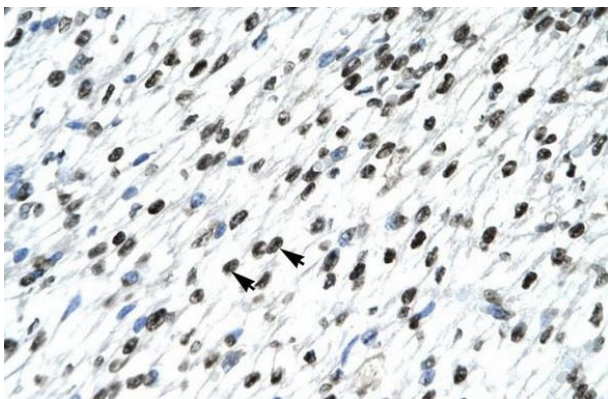
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

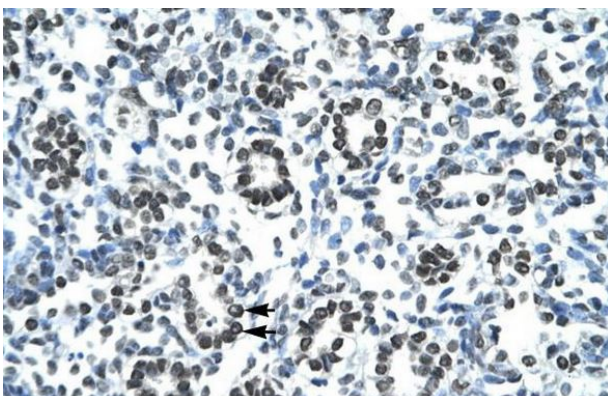
Gene Symbol	HOXB9
Gene Full Name	homeobox B9
Background	This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of leukemia, prostate cancer and lung cancer. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	28 kDa
Cellular Localization	Nucleus. [UniProt]

## Images



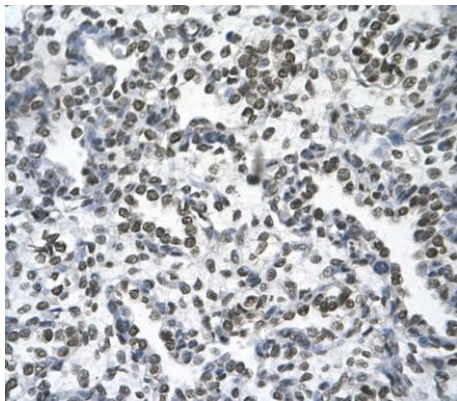
ARG41602 anti-HOXB9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human heart tissue stained with ARG41602 anti-HOXB9 antibody.



ARG41602 anti-HOXB9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung tissue stained with ARG41602 anti-HOXB9 antibody.



ARG41602 anti-HOXB9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human alveolar tissue (epithelial cells of renal tubule) stained with ARG41602 anti-HOXB9 antibody at 4 - 8 µg/ml dilution.