

## HOXA7 Antibody

Catalog No: #46578

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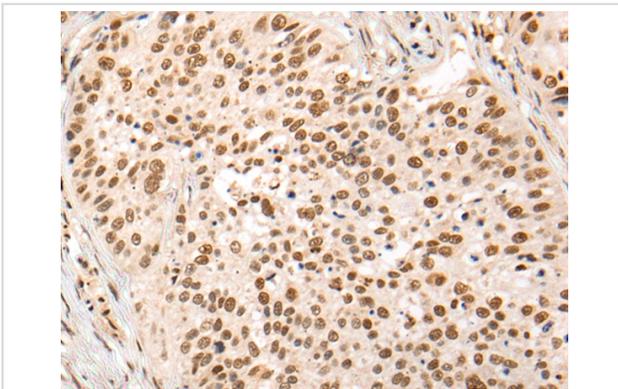
## Description

Product Name	HOXA7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total HOXA7 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide corresponding to internal residues of human HOXA7
Target Name	HOXA7
Other Names	ANTP; HOX1; HOX1A; HOX1.1
Accession No.	Swiss-Prot:P31268NCBI Gene ID:3204NCBI Protein:NP_008827
Uniprot	P31268
GeneID	3204;
Concentration	1.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Immunohistochemistry: 1: 50-300

## Images



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 46578(HOXA7 Antibody) at dilution 1/70, on the right is treated with synthetic peptide. (Original magnification: x200)

## Background

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. For example, the encoded protein represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is

then overcome by differentiation signals. This gene is highly similar to the antennapedia (Antp) gene of *Drosophila*?

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Note: This product is for in vitro research use only