

## Product datasheet for **TA368707**

### HOXA1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human breast cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HOXA1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Gene Name:	homeobox A1
Database Link:	<a href="#">Entrez Gene 3198 Human P49639</a>

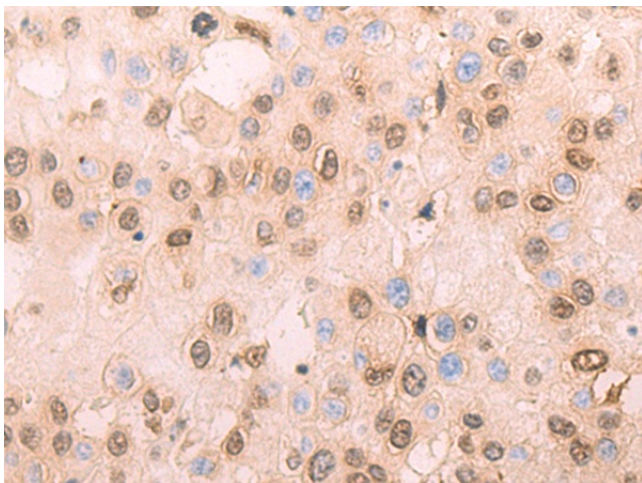
**Background:** In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. 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.



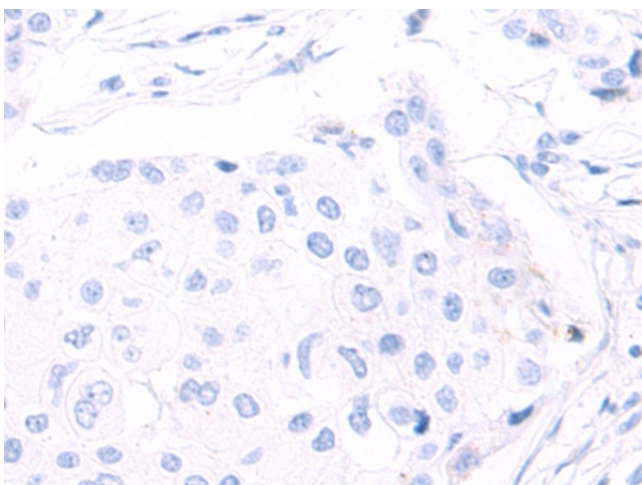
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Synonyms: BSAS; Hox-1F; HOX1; HOX1F; MGC45232

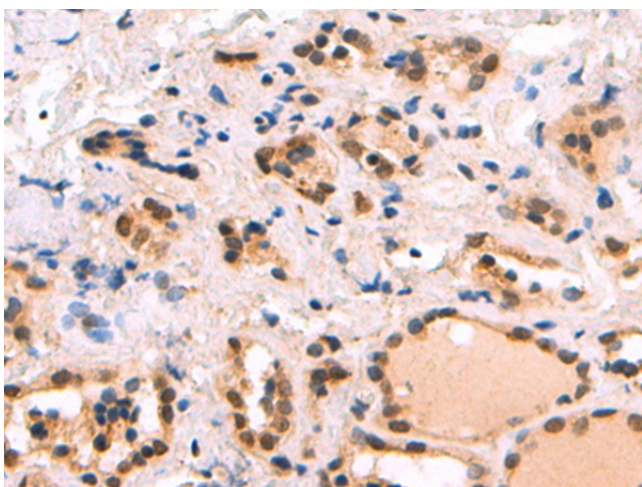
### Product images:



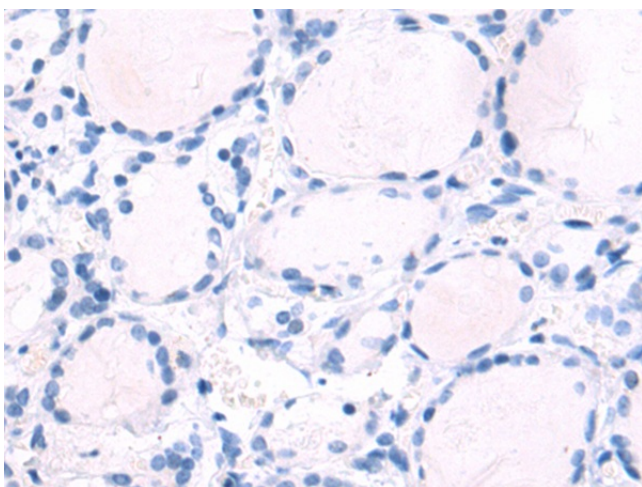
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA368707 (HOXA1 Antibody) at dilution 1/50 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA368707 (HOXA1 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA368707 (HOXA1 Antibody) at dilution 1/50 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA368707 (HOXA1 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification:  $\times 200$ )