

HOXA1 RABBIT PAB

Cat.#: S222381

Product Name: Anti-HOXA1 Rabbit Polyclonal Antibody

Synonyms: BSAS; HOX1; HOX1F

UNIPROT ID: P49639 (Gene Accession - NP_005513)

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.

Immunogen: Synthetic peptide of human HOXA1

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-100; ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

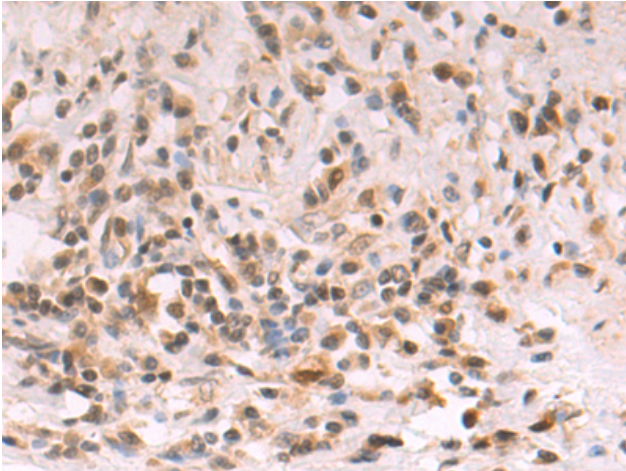
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

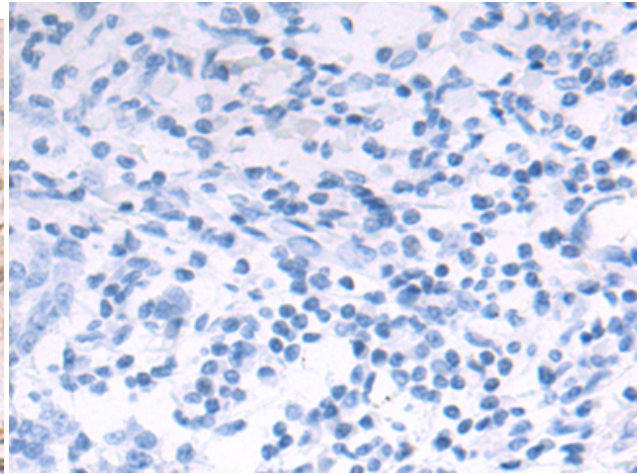
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Epigenetics and Nuclear Signaling

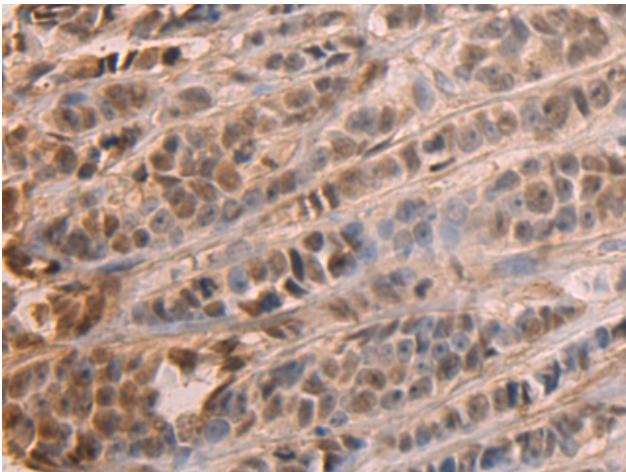
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



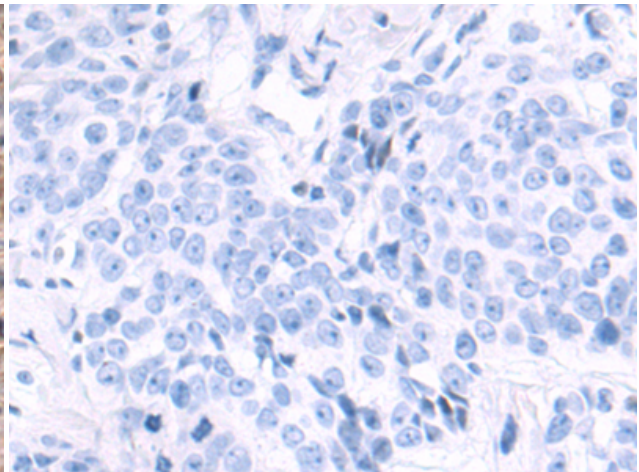
Immunohistochemistry analysis of paraffin embedded Human gastric cancer tissue using 222381(HOXA1 Antibody) at a dilution of 1/50(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with the synthetic peptide and then with 222381(Anti-HOXA1 Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 222381(Anti-HOXA1 Antibody) at a dilution of 1/50.



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with synthetic peptide and then with D264512(Anti-HOXA1 Antibody) at dilution 1/50.