

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## HOXD12 RABBIT PAB

Cat.#: S221371

Product Name: Anti-HOXD12 Rabbit Polyclonal Antibody

Synonyms: HOX4H

UNIPROT ID: P35452 (Gene Accession - NP\_067016)

**Background:** This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. The exact role of this gene has not been determined.

Immunogen: Synthetic peptide of human HOXD12

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

Species Reactivity: Human

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

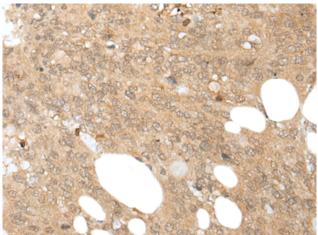
Research Areas: Epigenetics and Nuclear Signaling

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

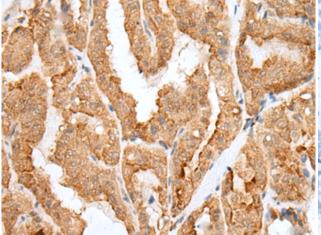


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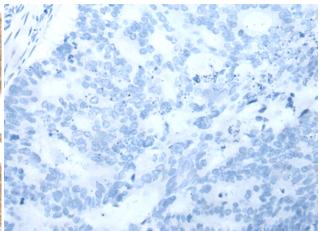
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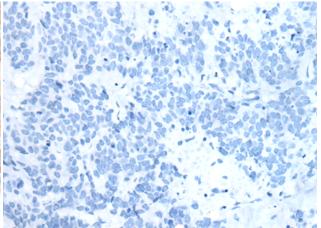
Immunohistochemistry analysis of paraffin embedded Human colorectal cancer tissue using 221371(HOXD12 Antibody) at a dilution of 1/30(Cytoplasm and Nucleus).



The image on the left is immunohistochemistry of paraffinembedded Human thyroid cancer tissue using 221371(Anti-HOXD12 Antibody) at a dilution of 1/30.



In comparision with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the synthetic peptide and then with 221371(Anti-HOXD12 Antibody) at dilution 1/30.



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with synthetic peptide and then with D262930(Anti-HOXD12 Antibody) at dilution 1/30.