

Anti-HOXA5 Picoband Antibody
Catalog # ABO13023

Specification

Anti-HOXA5 Picoband Antibody - Product Information

Application	WB
Primary Accession	P20719
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for HOXA5 detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-HOXA5 Picoband Antibody - Additional Information

Gene ID 3202

Other Names

Homeobox protein Hox-A5, Homeobox protein Hox-1C, HOXA5, HOX1C

Application Details

Western blot, 0.1-0.5 µg/ml

Subcellular Localization

Nucleus.

Contents

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence of human HOXA5 (AQPQIYPWMRKRLHISHDNIGGPEGKRARTAYTRYQTLELEK).

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C; for one year. After reconstitution, at 4°C; for one month. It can also be aliquotted and stored frozen at -20°C; for a longer time. Avoid repeated freezing and thawing.

Anti-HOXA5 Picoband Antibody - Protein Information

Name HOXA5

Synonyms HOX1C

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. Also binds to its own promoter. Binds specifically to the motif 5'-CYNNATTA[TG]Y-3'.

Cellular Location

Nucleus.

Anti-HOXA5 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-HOXA5 Picoband Antibody - Images

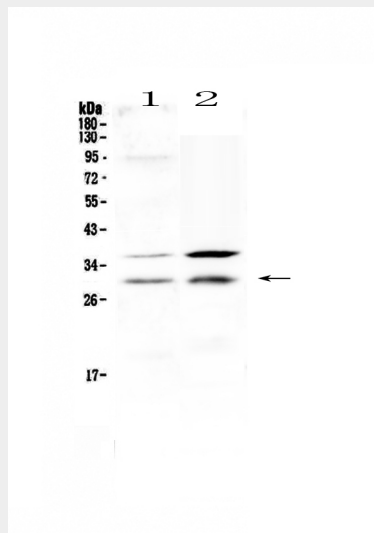


Figure 1. Western blot analysis of HOXA5 using anti-HOXA5 antibody (ABO13023).

Anti-HOXA5 Picoband Antibody - Background

Homeobox protein Hox-A5 is a protein that in humans is encoded the HOXA5 gene. 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. Methylation of this gene may result in the loss of its

expression and, since the encoded protein upregulates the tumor suppressor p53, this protein may play an important role in tumorigenesis.