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HOXA5 Antibody (C-term E211)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6694B

Specification

HOXA5 Antibody (C-term E211) - Product Information

Application	**WB, FC,E**
Primary Accession	P20719
Other Accession	P09077, P10628, P09016, P17278, O57374, P02832, P10629, P09630, P15862, P09020, P32043, Q00444, P09074, P04476, Q91771, P14839, Q9YGT4, P15861, P09019, P09079, P09067, P14838, P09013, P09014, P09071, P09634, P02830, P31268, Q90VZ9, P09092, P31267, Q5YLH5
Reactivity	**Human, Mouse**
Predicted	**Drosophila, Zebrafish, Chicken, Sheep, Bovine, Rat, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**29345**
Antigen Region	**196-223**

HOXA5 Antibody (C-term E211) - Additional Information

Gene ID 3202

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

Target/Specificity
This HOXA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 196-223 amino acids from the C-terminal region of human HOXA5.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HOXA5 Antibody (C-term E211) is for research use only and not for use in diagnostic or therapeutic procedures.

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HOXA5 Antibody (C-term E211) - 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'-CYYNATTA[TG]Y-3'.

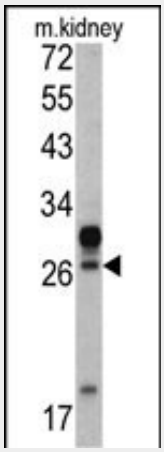
Cellular Location
Nucleus.

HOXA5 Antibody (C-term E211) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HOXA5 Antibody (C-term E211) - Images



Western blot analysis of HOXA5 antibody (C-term E211) (Cat. #AP6694b) in mouse kidney tissue lysates (35ug/lane). HOXA5 (arrow) was detected using the purified Pab.

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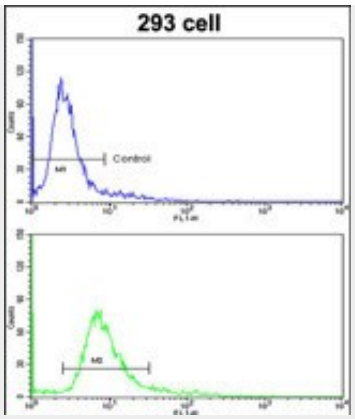

Flow cytometric analysis of 293 cells using HOXA5 Antibody (C-term E211)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

HOXA5 Antibody (C-term E211) - 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. HOXA5 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.

HOXA5 Antibody (C-term E211) - References

Chen,Y., Blood 111 (3), 1217-1226 (2008)
Chen,H., Cancer Res. 67 (17), 8007-8013 (2007)