



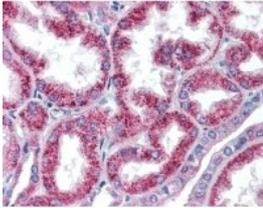
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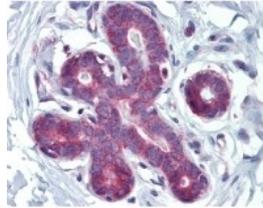
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HOXA5 Antibody

Cat. No.: 25-505



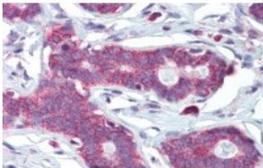
Antibody used in IHC on Human Kidney at 5 ug/ml.



Antibody used in IHC on Human breast at 5 ug/ml.



Antibody used in WB on Human Placenta at 1 ug/ml.



Antibody used in IHC on Human Breast at 5 ug/ml.

Ψ SPECIFICATIONS

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Drosophila, Human, Mouse, Rat
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human HOXA5.
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	HOXA5 antibody can be used for detection of HOXA5 by ELISA at 1:312500. HOXA5 antibody can be used for detection of HOXA5 by western blot at 1 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
POSITIVE CONTROL:	1) Cat. No. 1309 - Human Placenta Lysate
PREDICTED MOLECULAR WEIGHT:	30 kDa

Ψ PROPERTIES

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
CONCENTRATION:	batch dependent
STORAGE CONDITIONS:	For short periods of storage (days) store at 4°C. For longer periods of storage, store HOXA5 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.

Ψ ADDITIONAL INFO

OFFICIAL SYMBOL:	HOXA5
ALTERNATE NAMES:	HOXA5, HOX1, HOX1.3, HOX1C, MGC9376
ACCESSION NO.:	NP_061975
PROTEIN GI NO.:	24497517
GENE ID:	3202
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Ψ BACKGROUND AND REFERENCES

BACKGROUND:	<p>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 is a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. Methylation of the gene encoding HOXA5 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p>
REFERENCES:	1) Chen, Y. (2008) Blood 111 (3), 1217-1226.

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