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HOXA5 Rabbit pAb

Catalog # AP98457

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P20719
Other Accession	P20719
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29345
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HOXA5
Epitope Specificity	201-270/270
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the Antp homeobox family. Contains 1 homeobox DNA-binding domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	HOXA5 upregulates both p53 promoter-reporter constructs and endogenous p53 synthesis, leading to apoptosis. HOXA5 is detectable in approximately one-third of primary tumors. Lack of HOXA5 expression strongly correlates with methylation of its promoter region, suggesting a causal role for methylation in the silencing of HOXA5 gene expression. HOXA5 expression is an important step in tumorigenesis and loss of expression of p53 in human breast cancer may be primarily due to lack of expression of HOXA5.

Additional Information

Gene ID	3202
Other Names	HOX1; HOX1.3; HOX1C; Hox-1.3; HXA5_HUMAN; HOXA5; Homeobox protein Hox-1C; HXA5_MOUSE; Homeobox protein Hox-1.3; Homeobox protein M2; Hoxa-5; HXA5_RAT; homeobox A5; homeo box A5
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.