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HOXA6 Rabbit pAb

Catalog # AP97733

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P31267
Other Accession	P31267
Reactivity	Rat, Human, Mouse
Predicted	Pig, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26339
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HOXA6/HOX1B
Epitope Specificity	171-233/233
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	The Hox homeobox genes encode proteins that are transcriptional regulators with an established role in embryonic development. HoxA6 (homeobox A6), also known as HOX1B, is a 233 amino acid protein that localizes to the nucleus. Expressed during embryonic development, HoxA6 functions as a sequence-specific DNA-binding transcription factor that is part of a regulatory mechanism that provides cells with positional identities during development. Via its ability to bind DNA, HoxA6 plays an important role in the regulation of gene expression, as well as morphogenesis and differentiation. The gene encoding HoxA6 maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.

Additional Information

Gene ID	3203
Other Names	HOX1; HOX1.2; HOX1B; Hox-1.2; HXA6_HUMAN; HOXA6; Homeobox protein Hox-1B; HXA6_MOUSE; Homeobox protein Hox-1.2; Homeobox protein M5-4; Hoxa-6; homeobox A6; homeo box A6
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	HOXA6
Synonyms	HOX1B
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.
Cellular Location	Nucleus.

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