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WNT9A Rabbit pAb

Catalog # AP98146

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O14904
Other Accession	O14904
Reactivity	Human
Predicted	Rat, Pig, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40320
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WNT9A
Epitope Specificity	21-120/365
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 Wnt family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Wnt9b is a member of the WNT family and is a ligand for members of the frizzled family of seven transmembrane receptors. The WNT gene family consists of structurally related genes that encode secreted signaling proteins. Wnt9b is expressed in the inductive epithelia and is essential for the development of mesonephric and metanephric tubules and caudal extension of the Müllerian duct. Wnt9b plays a central role in the regulation of mesenchymal to epithelial transitions underlying organogenesis of the mammalian urogenital system. The gene is clustered with WNT3, another family member, in the chromosome 17q21 region.

Additional Information

Gene ID	7483
Other Names	WNT14; wnt-14; WNT9A_HUMAN; WNT9A; Protein Wnt-14; WNT9A_MOUSE; Wnt family member 9A; wingless-type MMTV integration site family, member 14; wingless-type MMTV integration site family, member 9A
Dilution	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	WNT9A
Synonyms	WNT14
Function	Ligand for members of the frizzled family of seven transmembrane receptors. Functions in the canonical Wnt/beta-catenin signaling pathway. Required for normal timing of IHH expression during embryonic bone development, normal chondrocyte maturation and for normal bone mineralization during embryonic bone development. Plays a redundant role in maintaining joint integrity.
Cellular Location	Secreted, extracellular space, extracellular matrix. Secreted

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