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WIF1 Rabbit pAb

Catalog # AP98512

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9Y5W5
Other Accession	Q9Y5W5
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41528
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WIF1
Epitope Specificity	51-150/379
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 5 EGF-like domains.Contains 1 WIF 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 Wnt genes are a group of conserved, Cysteine-rich, secreted glycoproteins that are required for numerous developmental processes including embryogenesis, asymmetric cell division and central nervous system (CNS) patterning. Wnt association with the transmembrane spanning receptor frizzled activates dishevelled, which downregulates glycogen synthase kinase (GSK) through serine phosphorylation. Reduced levels of active GSK causes accumulation of b-catenin and subsequent regulation of developmentally significant Wnt target genes. Wnt antagonists such as dickkopf (Dkk), frizzled-related protein (sFRP) and Wnt inhibitory factor-1 (WIF-1), are necessary to ensure normal spatial and temporal patterns of Wnt activity during developmental processes. WIF-1 is a 379-amino acid secreted protein that contains an N-terminal signal sequence, a 150-amino acid WIF domain, five epidermal growth factor-like repeats and a 45-amino acid C-terminal hydrophilic domain.

Additional Information

Gene ID	11197
Other Names	WIF-1; WIF1_HUMAN; WIF1; WIF1_MOUSE; WIF1_RAT; Wnt inhibitory factor 1
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	WIF1
Function	Binds to WNT proteins and inhibits their activities. May be involved in mesoderm segmentation.
Cellular Location	Secreted.

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