

Product datasheet for **TA319438**

WNT1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:25,000, WB: 1:1,500 - 1:6,000
Reactivity:	Mouse, Human, Bovine, Dog, Macaque, Rat, Opossum
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human Wnt1 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Wnt family member 1
Database Link:	NP_005421 Entrez Gene 22408 Mouse Entrez Gene 24881 Rat Entrez Gene 486560 Dog Entrez Gene 7471 Human P04628
Synonyms:	BMND16; INT1; OI15



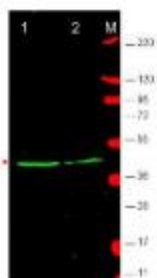
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Note: The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. Wnt1 (Wingless-type MMTV integration site family member 1) is a member of the WNT gene family. It is highly conserved in evolution and the protein encoded by this gene is known to be 98% identical to mouse Wnt1 protein at the amino acid level. Studies in mouse indicate that the Wnt1 protein functions in the induction of the mesencephalon and cerebellum. This gene was originally considered as a candidate gene for Joubert syndrome, an autosomal recessive disorder with cerebellar hypoplasia as a leading feature. However, further studies suggested that the gene mutations might not have a significant role in Joubert syndrome. Wnt1 is secreted as an extracellular matrix protein.

Protein Families: Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway, Transmembrane

Protein Pathways: Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway

Product images:



WB using Anti-Wnt1 antibody shows detection of endogenous Wnt1 in human-derived MCF7 cell lysate (lane 1) and mouse-derived 3T3 cell lysate (lane 2). The band at ~41 kDa, indicated by the arrowhead, corresponds to Wnt1. After transfer, the membrane was blocked with 5% BLOTTO. Primary antibody was used at a 1:1,400 dilution in PBS containing 1% BLOTTO. The specificity of the antibody was confirmed by peptide competition which completely blocked reaction of the antibody with Wnt1 (data not shown).