

## Product datasheet for TA319584

### WNT1 Mouse Monoclonal Antibody [Clone ID: 13F9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	13F9
Applications:	WB
Recommend Dilution:	ELISA: 1:4,000 - 1:20,000, WB: 1:175 - 1:250
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	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:	1 mg/ml
Gene Name:	Wnt family member 1
Database Link:	<a href="#">NP_005421 Entrez Gene 7471 Human</a>
Synonyms:	BMND16; INT1; OI15
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



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**Product images:**

Western blot using Protein A purified anti-Wnt1 monoclonal antibody shows detection of Wnt1 protein in mouse testis lysate. The results show specific binding corresponding to the ~41 kDa Wnt1 protein. Primary antibody was used at a 1:500 dilution. Personal communication, Stephen Brown, Brown University