



# Wnt-1 Monoclonal Antibody

<b>Catalog No</b>	BYmab-04269
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	WNT1
<b>Protein Name</b>	Proto-oncogene Wnt-1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human WNT1. AA range:301-350
<b>Specificity</b>	Wnt-1 Monoclonal Antibody detects endogenous levels of Wnt-1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	WNT1; INT1; Proto-oncogene Wnt-1; Proto-oncogene Int-1 homolog
<b>Observed Band</b>	45kD
<b>Cell Pathway</b>	Secreted, extracellular space, extracellular matrix . Secreted .
<b>Tissue Specificity</b>	Testis,
<b>Function</b>	function:Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule important in CNS development. Is likely to signal over only few cell diameters.,similarity:Belongs to the Wnt family.,subunit:Interacts with PORCN. Interacts with RSPO1, RSPO2 and RSPO3.,
<b>Background</b>	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. This gene is a member of the WNT gene family. It is very conserved in evolution, and the protein encoded by this gene is known to

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be 98% identical to the mouse Wnt1 protein at the amino acid level. The 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. This gene is clustered with another family member, WNT10B, in

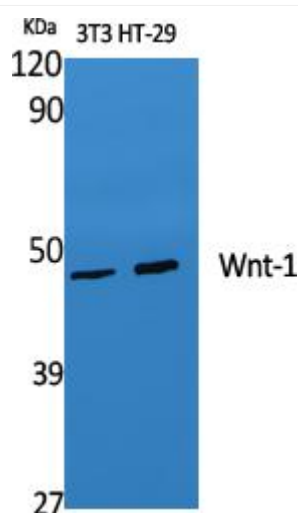
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using Wnt-1 Monoclonal Antibody

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