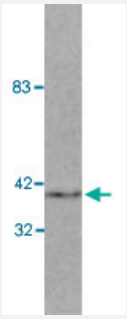
WNT1 monoclonal antibody, clone 13F9

Catalog # MAB8160 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot using WNT1 monoclonal antibody, clone 13F9 (Cat # MAB8160) 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.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of WNT1.
Immunogen	A synthetic peptide corresponding to internal region of human WNT1 .
Host	Mouse
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:4000-1:20000) Western Blot (1:175-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — WNT1

Entrez GeneID	7471
Gene Name	WNT1
Gene Alias	INT1
Gene Description	wingless-type MMTV integration site family, member 1
Omim ID	164820
Gene Ontology	Hyperlink
Gene Summary	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 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 the chromosome 12q13 region. [provided by RefSeq
Other Designations	Wingless-type MMTV integration site family, member 1 (oncogene INT1)

Publication Reference

- The ups and downs of Wnt signaling in prevalent neurological disorders.

  De Ferrari GV, Moon RT.

  Oncogene 2006 Dec; 25(57):7545.

  Application: WB, Human, Human mammalian cells

- A Wnt-Axin2-GSK3beta cascade regulates Snail1 activity in breast cancer cells.

  Yook JI, Li XY, Ota I, Hu C, Kim HS, Kim NH, Cha SY, Ryu JK, Choi YJ, Kim J, Fearon ER, Weiss SJ.

  Nature Cell Biology 2006 Dec; 8(12):1398.

- Suppressing Wnt signaling by the hedgehog pathway through sFRP-1.

  He J, Sheng T, Stelter AA, Li C, Zhang X, Sinha M, Luxon BA, Xie J.

  The Journal of Biological Chemistry 2006 Nov; 281(47):35598.

Pathway

- Basal cell carcinoma
- Hedgehog signaling pathway
- Melanogenesis
- Pathways in cancer
- Wnt signaling pathway

Disease

- Disease Progression
- Disease Susceptibility
- HIV Infections