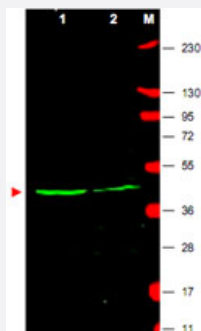


WNT1 polyclonal antibody

Catalog # PAB11291 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot using WNT1 polyclonal antibody (Cat # PAB11291) shows detection of endogenous WNT1 in human-derived MCF-7 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).

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of WNT1.

Immunogen A synthetic peptide corresponding to internal region of human WNT1.

Host Rabbit

Reactivity Bovine, Chicken, Dog, Human, Macaque, Mouse, Opossum, Rat

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
ELISA (1:25000)
Western Blot (1:1500-1:6000)
The optimal working dilution should be determined by the end user.

Storage Buffer In 20 mM KH₂PO₄, 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 should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — WNT1

Entrez GeneID[7471](#)**Protein Accession#**[NP_005421.1:P04628](#)**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](#)