

Product Name: WNT1 Mouse Monoclonal Antibody
Catalog #: AMM80766



Summary

Production Name	WNT1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,FC,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	WNT1
Alternative Names	INT1
Gene ID	7471.0
SwissProt ID	P04628.Purified recombinant fragment of WNT1 expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	41kDa

Background

WNT1: wingless-type MMTV integration site family, member 1. The WNT gene family consists of structurally related genes

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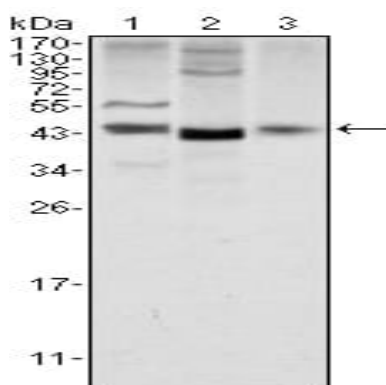


which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It is very conserved in evolution, and the protein 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.

Research Area

Wnt signaling pathway

Image Data



Western blot analysis using WNT1 mouse mAb against NIH/3T3 (1), 3T3L1 (2) and HeLa (3) cell lysate.

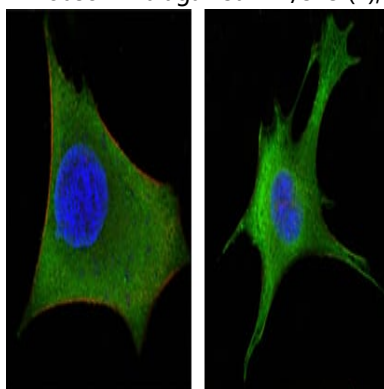
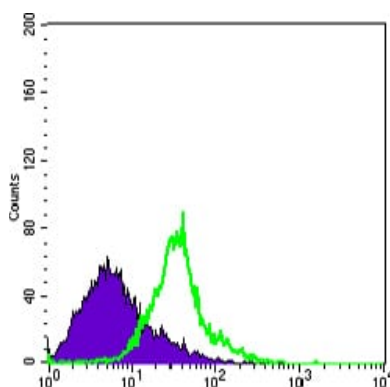
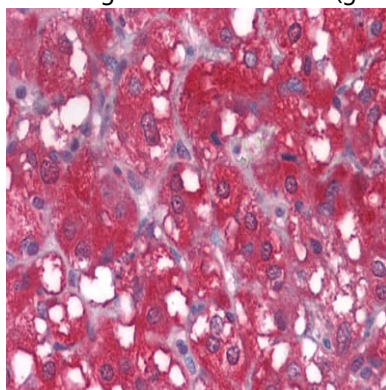


Figure3: Confocal Immunofluorescence analysis of HeLa (left) and 3T3-L1 (right) cells using WNT1 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

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Flow cytometric analysis of Hela cells using WNT1 mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human LAdrenal tissues using WNT1 mouse mAb

Note

For research use only.