

WNT1 monoclonal antibody

Catalog: MB21252

Host: Mouse

Reactivity: Human, Mouse

BackGround:

WNT1: wingless-type MMTV integration site family, member 1. 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.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

41kDa

Swiss-Prot:

P04628

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000
FC:1/200 - 1/400

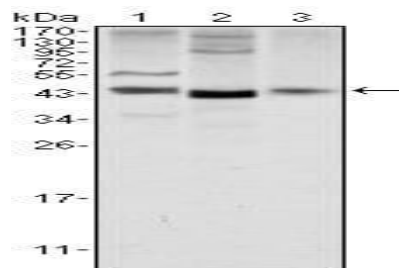
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

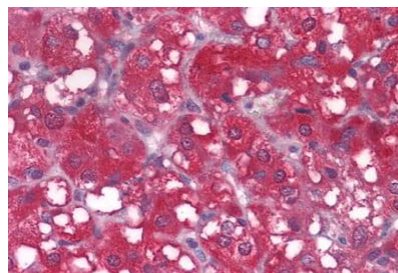
Isotype:

Mouse IgG1

DATA:



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



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

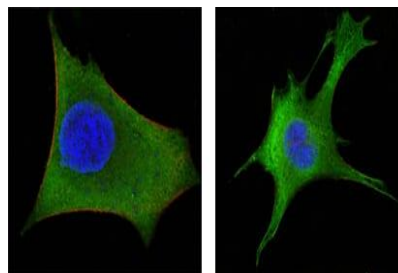


Figure3: Confocal Immunofluorescence analysis of HeLa (left) and 3T3-L1 (right) cells using WNT1 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

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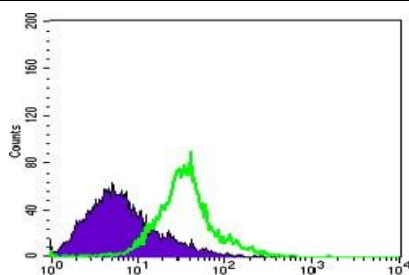
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Flow cytometric analysis of Hela cells using WNT1 mouse mAb (green) and negative control (purple).

Note:

For research use only, not for use in diagnostic procedure.

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