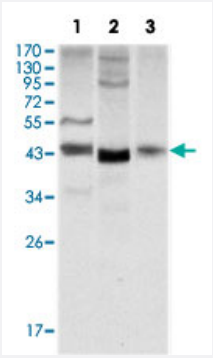
WNT1 monoclonal antibody, clone 10C8

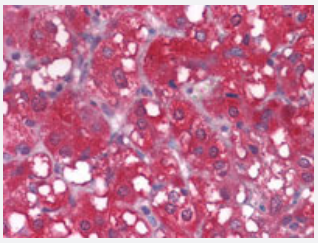
Catalog # MAB10372 Size 100 uL

Applications



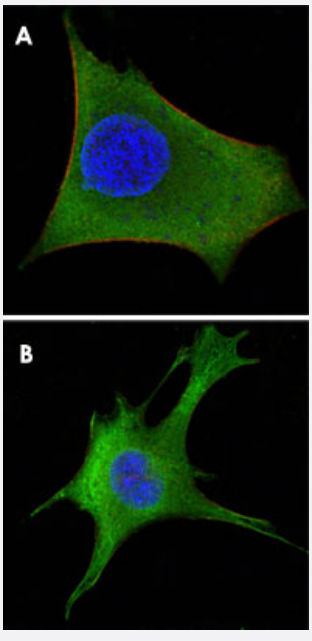
Western Blot (Cell lysate)

Western blot analysis using WNT1 monoclonal antibody, clone 10C8 (Cat # MAB10372) against NIH/3T3 (1), 3T3L1 (2) and HeLa (3) cell lysate.



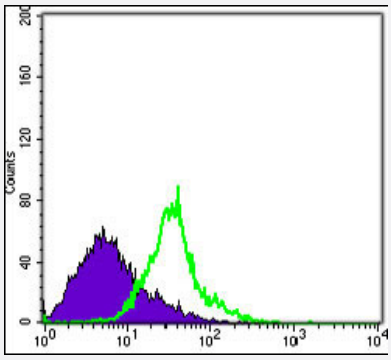
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human adrenal gland tissue using WNT1 monoclonal antibody, clone 10C8 (Cat # MAB10372) with DAB staining.



Immunofluorescence

Immunofluorescence analysis of HeLa (A) and 3T3-L1 (B) cells using WNT1 monoclonal antibody, clone 10C8 (Cat # MAB10372) (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry

Flow cytometric analysis of HeLa cells using WNT1 monoclonal antibody, clone 10C8 (Cat # MAB10372) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant WNT1.
Immunogen	Recombinant protein corresponding to human WNT1.
Host	Mouse
Theoretical MW (kDa)	41
Reactivity	Human, Mouse
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% 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

- Western Blot (Cell lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human adrenal gland tissue using WNT1 monoclonal antibody, clone 10C8 (Cat # MAB10372) with DAB staining.

- Immunofluorescence

  Immunofluorescence analysis of HeLa (A) and 3T3-L1 (B) cells using WNT1 monoclonal antibody, clone 10C8 (Cat # MAB10372) (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

  Flow cytometric analysis of HeLa cells using WNT1 monoclonal antibody, clone 10C8 (Cat # MAB10372) (green) and negative control (purple).

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)

Pathway

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

Disease

- Disease Progression
- Disease Susceptibility
- HIV Infections