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Product datasheet for AM06361SU-N

WNT1 Mouse Monoclonal Antibody [Clone ID: 10C8]

Product data:

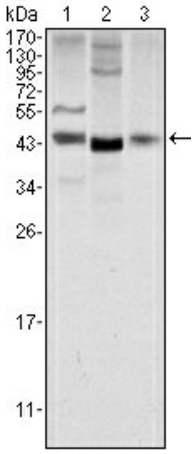
Product Type:	Primary Antibodies
Clone Name:	10C8
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	**Western Blot:** 1/500 - 1/2000. **Immunohistochemistry on paraffin sections**: 1/200 - 1/1000. **Immunofluorescence**: 1/200 - 1/1000. **Flow cytometry:** 1/200 - 1/400. **ELISA**: 1/10000.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of WNT1 expressed in E. Coli.
Specificity:	This antibody reacts to WNT1.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	41 kDa
Gene Name:	Wnt family member 1
Database Link:	Entrez Gene 7471 Human P04628

View online »

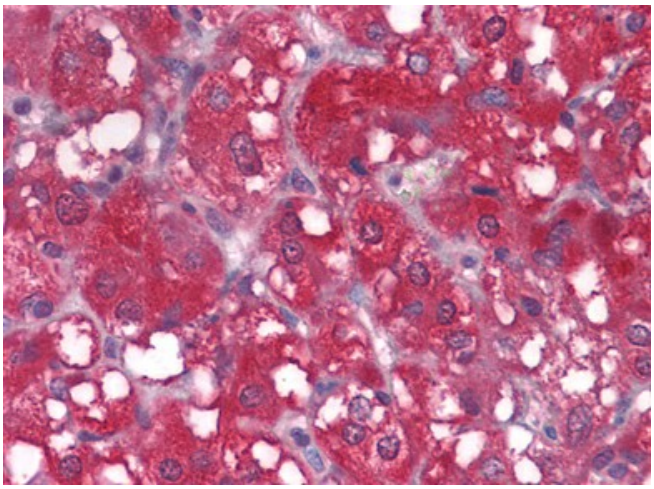
Background: WNT1: wingless-type MMTV integration site family, member 1. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and 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 rolein Joubert syndrome. This gene is clustered with another family member, WNT10B, in the chromosome 12q13 region.

Synonyms: Proto-oncogene protein Wnt-1, INT1, INT-1

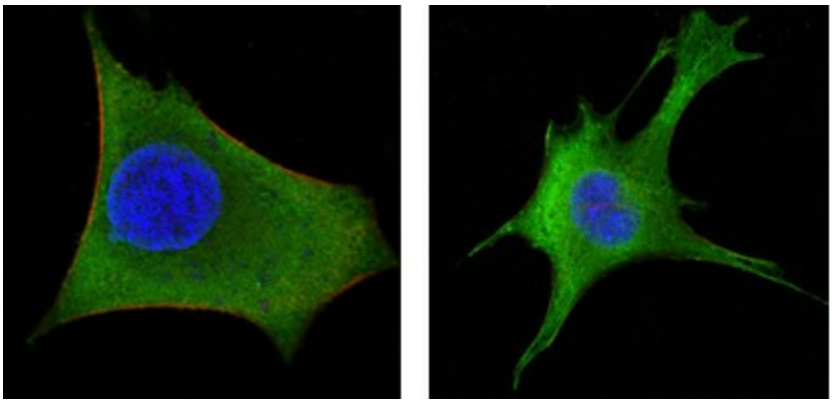
Product images:



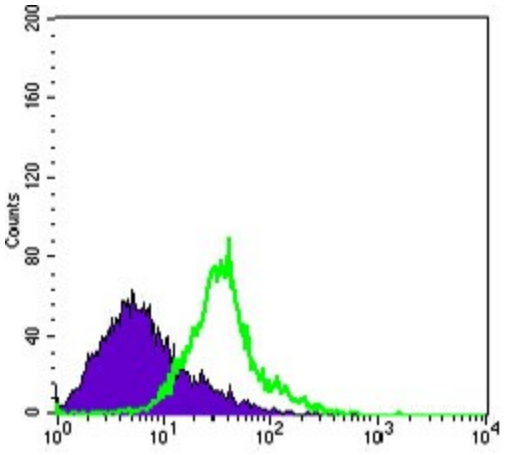
Western blot analysis using WNT1 mouse mAb against NIH/3T3 (1), 3T3L1 (2) and Hela (3) cell lysate.



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



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.



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