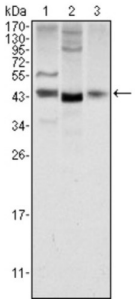
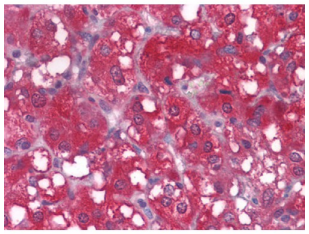
Proto-Oncogene Wnt-1 (WNT1) Antibody

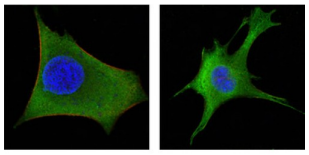
Catalogue No.:abx012360



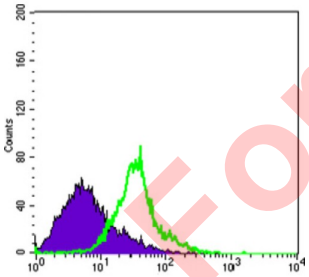
Western blot analysis using WNT1 antibody against NIH/3T3 (1), 3T3L1 (2) and Hela (3) cell lysate.



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



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



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

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.

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Target:	Proto-Oncogene Wnt-1 (WNT1)
Clonality:	Monoclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of WNT1 expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P04628 (UniProt, ExPASy)
GeneID:	7471
KEGG:	hsa:7471
String:	9606.ENSP00000293549
Molecular Weight:	41 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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