

Wnt-1 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1302
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of Wnt-1 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human, Mouse
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Proto-oncogene Wnt-1
Synonyms	WNT1; INT1; Proto-oncogene Wnt-1; Proto-oncogene Int-1 homolog

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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

Recommended Dilution

FC: 1:200 - 1:400

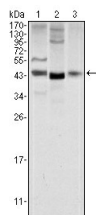
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

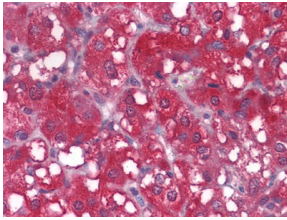
WB: 1:500 - 1:2000

Not yet tested in other applications.

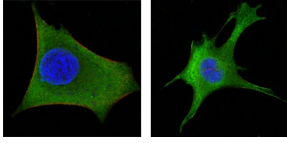
Images



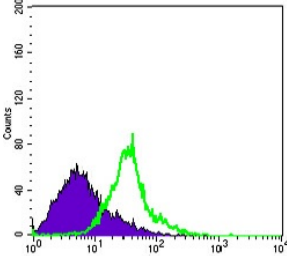
Western Blot analysis using Wnt-1 Monoclonal antibody against NIH/3T3 (1) 3T3L1 (2) and HeLa (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human LArenal tissues with AEC staining using Wnt-1 Monoclonal antibody.



Confocal immunofluorescence analysis of HeLa (left) and 3T3-L1 (right) cells using Wnt-1 Monoclonal antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of HeLa cells using Wnt-1 Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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