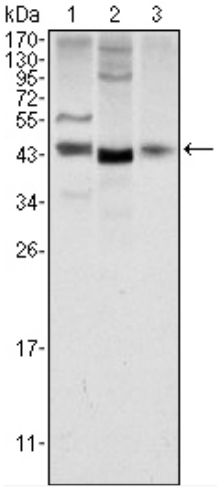
Wnt-1 Monoclonal Antibody

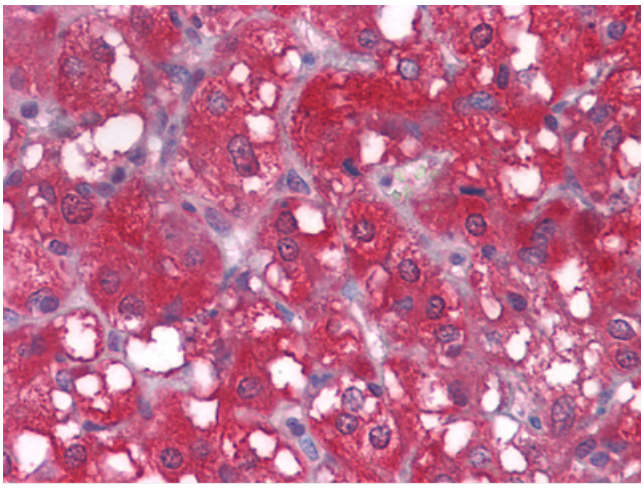
Catalog No	BYab-03426
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;FCM;ELISA
Gene Name	WNT1
Protein Name	Proto-oncogene Wnt-1
Immunogen	Purified recombinant fragment of Wnt-1 expressed in E. Coli.
Specificity	Wnt-1 Monoclonal Antibody detects endogenous levels of Wnt-1 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	WNT1; INT1; Proto-oncogene Wnt-1; Proto-oncogene Int-1 homolog
Observed Band	
Cell Pathway	Secreted, extracellular space, extracellular matrix . Secreted .
Tissue Specificity	Testis,
Function	function:Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule important in CNS development. Is likely to signal over only few cell diameters.,similarity:Belongs to the Wnt family.,subunit:Interacts with PORCN. Interacts with RSPO1, RSPO2 and RSPO3.,
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
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

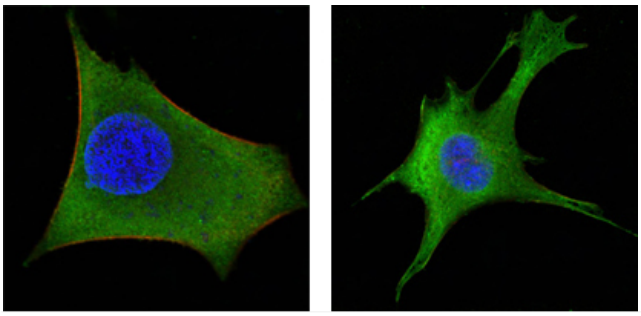
Products Images



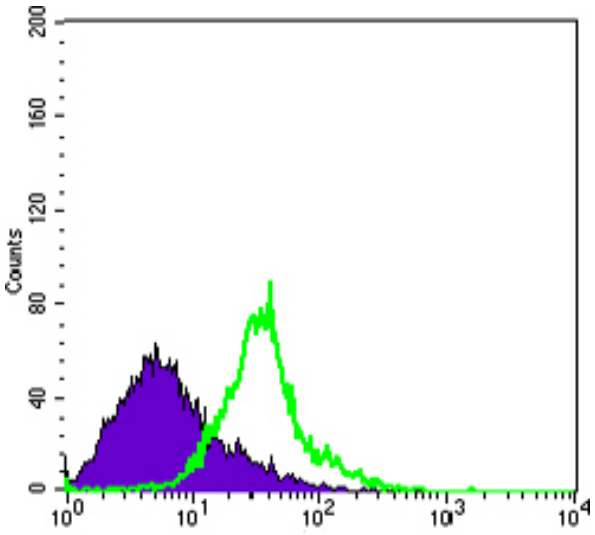
Western Blot analysis using Wnt-1 Monoclonal Antibody against NIH/3T3 (1), 3T3L1 (2) and HeLa (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human LAdrenal 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).