ARG58132
anti-Wnt1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Wnt1
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Wnt1
Species	Human
Immunogen	Synthetic peptide of Human Wnt1. (NLLTDSKSLQLVLEPSLQLLSRKQRRLIRQ)
Conjugation	Un-conjugated
Alternate Names	Proto-oncogene Wnt-1; Proto-oncogene Int-1 homolog; INT1; BMND16; OI15

Application Instructions

Application table

Application	Dilution
WB	0.1 - 0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

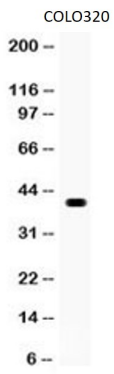
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	WNT1
Gene Full Name	wingless-type MMTV integration site family, member 1
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 the chromosome 12q13 region. [provided by RefSeq, Jul 2008]
Function	Ligand for members of the frizzled family of seven transmembrane receptors. In some developmental processes, is also a ligand for the coreceptor RYK, thus triggering Wnt signaling. Probable developmental protein. May be a signaling molecule important in CNS development. Is likely to signal over only few cell diameters. Has a role in osteoblast function and bone development. [UniProt]
Calculated Mw	41 kDa
PTM	Palmitoleylation is required for efficient binding to frizzled receptors. Palmitoleylation is necessary for proper trafficking to cell surface (Probable). Depalmitoleylated by NOTUM, leading to inhibit Wnt signaling pathway (By similarity). [UniProt]

Images



ARG58132 anti-Wnt1 antibody WB image

Western blot: COLO320 cell lysate stained with ARG58132 anti-Wnt1 antibody.