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Anti-Wnt1 Picoband Antibody

Catalog # ABO12149

Product Information

Application	WB
Primary Accession	P04628
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Proto-oncogene Wnt-1(WNT1) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	7471
Other Names	Proto-oncogene Wnt-1, Proto-oncogene Int-1 homolog, WNT1, INT1
Calculated MW	40982
Application Details	Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Secreted, extracellular space, extracellular matrix.
Source	Eukaryota
Protein Name	Proto-oncogene Wnt-1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Wnt1 (45-74aa NLLTDSKSLQLVLEPSLQLLSRKQRRLIRQ), identical to the related mouse and rat sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the Wnt family.

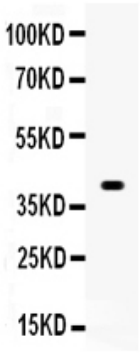
Protein Information

Name	WNT1
Synonyms	INT1
Function	Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Acts in the canonical Wnt signaling pathway by promoting beta-catenin-dependent transcriptional activation (PubMed:23499309, PubMed:23656646, PubMed:26902720, PubMed:28528193). In some developmental processes, is also a ligand for the coreceptor RYK, thus triggering Wnt signaling (By similarity). Plays an essential role in the development of the embryonic brain and central nervous system (CNS) (By similarity). Has a role in osteoblast function, bone development and bone homeostasis (PubMed:23499309, PubMed:23656646).
Cellular Location	Secreted, extracellular space, extracellular matrix. Secreted

Background

Wingless-type MMIV integration site family, member 1 is a protein that in humans is encoded by the WNT1 gene. This gene is a member of the WNT gene family. The gene was assigned to human chromosome 12q13.12. The WNT gene family consists of structurally related genes that encode secreted signaling proteins. The Wnt1 protein functions in the induction of the mesencephalon and cerebellum. However, the gene mutations might not have a significant role in Joubert syndrome.

Images



Anti- WNT1 Picoband antibody, ABO12149, Western blottingAll lanes: Anti WNT1 (ABO12149) at 0.5ug/mlWB: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 41KDObserved bind size: 41KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.