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Anti-Wnt1 Picoband Antibody

Catalog # ABO12149

Specification

Anti-Wnt1 Picoband Antibody - 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.

Anti-Wnt1 Picoband Antibody - Additional Information

Gene ID 7471

Other Names
Proto-oncogene Wnt-1, Proto-oncogene Int-1 homolog, WNT1, INT1

Calculated MW
40982 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Secreted, extracellular space, extracellular matrix.

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.

Anti-Wnt1 Picoband Antibody - 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:26902720, PubMed:28528193, PubMed:23656646). 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

Anti-Wnt1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Wnt1 Picoband Antibody - Images

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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

Anti-Wnt1 Picoband Antibody - 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.