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Anti-Wnt3 Picoband Antibody

Catalog # ABO12305

Specification

Anti-Wnt3 Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P56703
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Proto-oncogene Wnt-3(WNT3) detection. Tested with WB in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Wnt3 Picoband Antibody - Additional Information

Gene ID 7473

Other Names
Proto-oncogene Wnt-3, Proto-oncogene Int-4 homolog, WNT3, INT4

Calculated MW
39645 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-3

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence in the middle region of human Wnt3 (185-207aa AMNKHNNEAGRTTILDHMHLKCK), identical to the related mouse sequence.

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.**

Anti-Wnt3 Picoband Antibody - Protein Information

Name WNT3

Synonyms INT4

Function
Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (PubMed:26902720). Required for normal gastrulation, formation of the primitive streak, and for the formation of the mesoderm during early embryogenesis. Required for normal formation of the apical ectodermal ridge (By similarity). Required for normal embryonic development, and especially for limb development (PubMed:14872406).

Cellular Location
Secreted, extracellular space, extracellular matrix. Secreted

Anti-Wnt3 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-Wnt3 Picoband Antibody - Images

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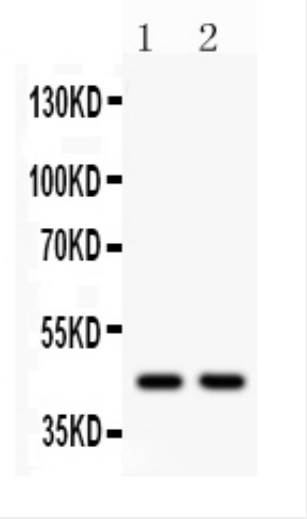

Anti- WNT3 Picoband antibody, ABO12305, Western blottingAll lanes: Anti WNT3 (ABO12305) at 0.5ug/mlLane 1: Human Placenta Tissue Lysate at 50ugLane 2: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 45KDObserved bind size: 45KD

Anti-Wnt3 Picoband Antibody - 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 encodes a protein which shows 98% amino acid identity to mouse Wnt3 protein, and 84% to human WNT3A protein, another WNT gene product. The mouse studies show the requirement of Wnt3 in primary axis formation in the mouse. Studies of the gene expression suggest that this gene may play a key role in some cases of human breast, rectal, lung, and gastric cancer through activation of the WNT-beta-catenin-TCF signaling pathway. This gene is clustered with WNT15, another family member, in the chromosome 17q21 region.