10320 Camino Santa Fe, Suite G
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# Anti-Wnt2 Picoband Antibody

**Catalog # ABO12150**

## Specification

### Anti-Wnt2 Picoband Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P09544 |
| Host | **Rabbit** |
| Reactivity | **Human** |
| Clonality | **Polyclonal** |
| Format | **Lyophilized** |

**Description**
Rabbit IgG polyclonal antibody for Protein Wnt-2(WNT2) detection. Tested with WB in Human.

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

### Anti-Wnt2 Picoband Antibody - Additional Information

**Gene ID** 7472

**Other Names**
Protein Wnt-2, Int-1-like protein 1, Int-1-related protein, IRP, WNT2, INT1L1, IRP

**Calculated MW**
40418 MW KDa

**Application Details**
Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**
Secreted, extracellular space, extracellular matrix.

**Tissue Specificity**
Expressed in brain in the thalamus, in fetal and adult lung and in placenta. .

**Protein Name**
Protein Wnt-2

**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 Wnt2 (56-81aa HRHPDVMRAISQGVAEWTAECQHQFR), different from the related mouse sequence by two amino acids.

**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-Wnt2 Picoband Antibody - Protein Information

**Name** WNT2

**Synonyms** INT1L1, IRP

**Function**
Ligand for members of the frizzled family of seven transmembrane receptors. Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (PubMed:<a href="http://www.uniprot.org/citations/20018874" target="_blank">20018874</a>). Functions as a upstream regulator of FGF10 expression. Plays an important role in embryonic lung development. May contribute to embryonic brain development by regulating the proliferation of dopaminergic precursors and neurons (By similarity).

**Cellular Location**
Secreted, extracellular space, extracellular matrix. Secreted

**Tissue Location**
Expressed in brain in the thalamus, in fetal and adult lung and in placenta.

## Anti-Wnt2 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-Wnt2 Picoband Antibody - Images

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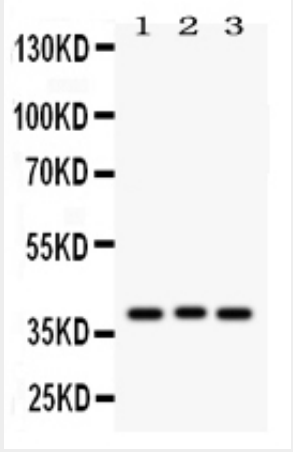


Anti-WNT2 Picoband antibody, ABO12150, Western blottingAll lanes: Anti WNT2 (ABO12150) at 0.5ug/mlLane 1: COLO320 Whole Cell Lysate at 40ugLane 2: MCF-7 Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugPredicted bind size: 40KDObserved bind size: 40KD

**Anti-Wnt2 Picoband Antibody - Background**

WNT2, also known as Wingless-type MMTV integration site family, member 2, is a human gene. This gene is a member of the WNT gene family. 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. Alternatively spliced transcript variants have been identified for this gene.