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Anti-Wnt2 Picoband Antibody

Catalog # ABO12150

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.

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
Application Details	Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Secreted, extracellular space, extracellular matrix.
Tissue Specificity	Expressed in brain in the thalamus, in fetal and adult lung and in placenta. .
Source	Eukaryota
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.

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:20018874). 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.

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.

Images

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