

Anti-Wnt1 Antibody Picoband™

Catalog Number: PB9460

About WNT1

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.

Overview

Product Name	Anti-Wnt1 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-Wnt1 Antibody Picoband™ catalog # PB9460. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P04628

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Wnt1, identical to the related mouse and rat sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human

Anti-Wnt1 Antibody Picoband™ (PB9460) Images



Figure 1. Western blot analysis of WNT1 using anti-WNT1 antibody (PB9460).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours.

Lane 1: COLO320 Whole Cell Lysate at 40ug.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-WNT1 antigen affinity purified polyclonal antibody (Catalog # PB9460) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for WNT1 at approximately 41 kDa. The expected band size for WNT1 is at 41 kDa.

3 Publications Citing This Product

1. PubMed ID: 25529604, Mi L, Li Y, Zhang Q, Zhao C, Peng Y, Yang G, Zheng X. Biochem Cell Biol. 2015 Feb;93(1):8-15. Doi: 10.1139/Bcb-2014-0079. Epub 2014 Sep 2. MicroRNA-139-5P Regulates C2C12 Cell Myogenesis Through Blocking Wnt/??-Catenin Signaling Pathway.
2. PubMed ID: 25435937, Dong L, Duan Xc, Han Cx, Zhang H, Wu Y. Oncol Lett. 2015 Jan;9(1):81-85. Epub 2014 Oct 30. Suppression Of Wingless-Type Mmtv Integration Site Family, Member 1 Expression By Small Interfering Rna Inhibits U251 Glioma Cell Growth In Vitro.
3. PubMed ID: 26707142, MicroRNA-148a inhibits breast cancer migration and invasion by directly targeting WNT-1

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