

Anti-Protein Wnt-4 Wnt4 Antibody Picoband®

Catalog Number: PA2121

About WNT4

Wingless-type MMIV integration site family, member4, is a secreted protein that in humans is encoded by the Wnt4 gene. By fluorescence in situ hybridization, WNT4 gene was mapped to chromosome 1p35, a location consistent with the results of radiation hybrid mapping. The WNT gene family consists of structurally related genes that encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and embryogenesis.

Overview

Product Name	Anti-Protein Wnt-4 Wnt4 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Protein Wnt-4 Wnt4 Antibody catalog # PA2121. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P56705

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Wnt4, identical to the related mouse and rat sequences.
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	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

Anti-Protein Wnt-4 Wnt4 Antibody Picoband® (PA2121) Images



Anti-WNT4 antibody, PA2121, Western blotting All lanes: Anti WNT4 (PA2121) at 0.5ug/ml WB: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 37KD Observed bind size: 37KD

1 Publications Citing This Product

1. PubMed ID: 33359712, An R, Wang X, Yang L, Zhang J, Wang N, Xu F, Hou Y, Zhang H, Zhang L. Polystyrene microplastics cause granulosa cells apoptosis and fibrosis in ovary through oxidative stress in rats. *Toxicology*. 2020 Dec 24;449:152665. doi:10.1016/j.tox.2020.152665. Epub ahead of p

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