BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Frizzled 2/FZD2 Antibody Picoband®

Catalog Number: A05675-2

About FZD2

This intronless gene is a member of the frizzled gene family. Members of this family encode seven-transmembrane domain proteins that are receptors for the wingless type MMTV integration site family of signaling proteins. This gene encodes a protein that is coupled to the beta-catenin canonical signaling pathway. Competition between the wingless-type MMTV integration site family, member 3A and wingless-type MMTV integration site family, member 5A gene products for binding of this protein is thought to regulate the beta-catenin-dependent and -independent pathways.

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Overview

Product Name	Anti-Frizzled 2/FZD2 Antibody Picoband®
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Frizzled 2/FZD2 Antibody Picoband® catalog # A05675-2. Tested in WB, IHC, ELISA applications. This antibody reacts with Human, Mouse. 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	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	Q14332

Technical Details

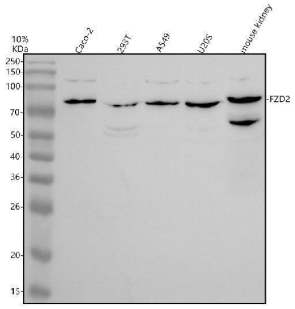
Immunogen	E.coli-derived human Frizzled 2/FZD2 recombinant protein (Position: E134-R245).
Form	Lyophilized

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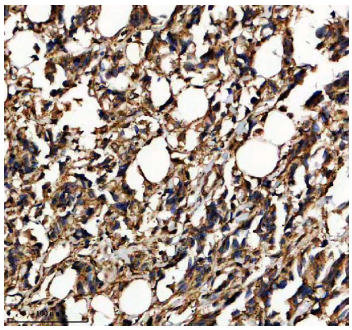
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human ELISA, 0.1-0.5 ug/ml

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Anti-Frizzled 2/FZD2 Antibody Picoband® (A05675-2) Images



Western blot analysis of Frizzled 2/FZD2 using anti-Frizzled 2/FZD2 antibody (A05675-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Caco-2 whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human A549 whole cell lysates, Lane 4: human U2OS whole cell lysates, Lane 5: mouse kidney tissue lysates.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-Frizzled 2/FZD2 antigen affinity purified polyclonal antibody (A05675-2) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Frizzled 2/FZD2 at approximately 80 kDa. The expected band size for Frizzled 2/FZD2 is at 64 kDa.



IHC analysis of Frizzled 2/FZD2 using anti-Frizzled 2/FZD2 antibody (A05675-2). Frizzled 2/FZD2 was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Frizzled 2/FZD2 Antibody (A05675-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

For Research Use Only. Not for use in diagnostic procedures.