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Anti-Frizzled 1/2/7 Antibody
Catalog # AP53848

Specification

Anti-Frizzled 1/2/7 Antibody - Product Information

Application	**WB**
Primary Accession	Q9UP38
Other Accession	Q14332, O75084
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**71158**

Anti-Frizzled 1/2/7 Antibody - Additional Information

Gene ID 8321

Other Names
Frizzled-7; Fz-7; hFz7; FzE3

Target/Specificity
Recognizes endogenous levels of Frizzled 1/2/7 protein.

Dilution
WB~~1/500 - 1/1000

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-Frizzled 1/2/7 Antibody - Protein Information

Name FZD1

Function
Receptor for Wnt proteins (PubMed:10557084). Activated by WNT3A, WNT3, WNT1 and to a lesser extent WNT2, but apparently not by WNT4, WNT5A, WNT5B, WNT6, WNT7A or WNT7B (PubMed:10557084). Contradictory results showing activation by WNT7B have been described for mouse (By similarity). Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:10557084). The canonical Wnt/beta-catenin signaling pathway leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes (PubMed:<a href="http://www.uniprot.org/citations/10557084"

target="_blank">10557084). A second signaling pathway involving PKC and calcium fluxes has been seen for some family members, but it is not yet clear if it represents a distinct pathway or if it can be integrated in the canonical pathway, as PKC seems to be required for Wnt-mediated inactivation of GSK-3 kinase. Both pathways seem to involve interactions with G-proteins. May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues (Probable).

Cellular Location
Cell membrane; Multi-pass membrane protein

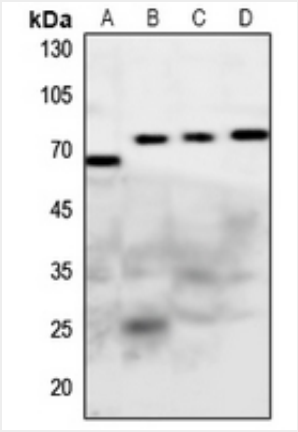
Tissue Location
Expressed in adult heart, placenta, lung, kidney, pancreas, prostate, and ovary and in fetal lung and kidney

Anti-Frizzled 1/2/7 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-Frizzled 1/2/7 Antibody - Images



Western blot analysis of Frizzled 1/2/7 expression in Hela (A), mouse heart (B), rat heart (C), rat kidney (D) whole cell lysates.

Anti-Frizzled 1/2/7 Antibody - Background

Rabbit polyclonal antibody to Frizzled 1/2/7