

Datasheet for ABIN681866
anti-FZD5 antibody (PE-Cy7)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	FZD5
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FZD5 antibody is conjugated to PE-Cy7
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Frizzled 5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	FZD5
Alternative Name:	Frizzled 5 (FZD5 Products)
Background:	Synonyms: C2orf31, Frizzled homolog 5, Frizzled-5, Frizzled5, Fz 5, Fz-5, Fz5, FZD 5, hFz5, FZD5, FZD5_HUMAN, FzE 5, FzE5, HFZ 5, Seven transmembrane receptor frizzled 5, Wnt

Target Details

receptor, hFz8, Fz-8, Frizzled-8, FZD8.

Background: Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The Frizzled 5 protein is believed to be the receptor for the Wnt5A ligand. Frizzled 5 has been reported to be expressed in fetal kidney, fetal and adult liver, fetal lung, and adult pancreas. ESTs have been isolated from bone, liver/spleen, placenta, and prostate libraries. Frizzled 5 was cloned from a retina cDNA library. Receptor for Wnt proteins. Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalosomes. The beta-catenin canonical 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. 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. Coreceptor along with RYK of Wnt proteins, such as WNT1.

Molecular Weight: 62 kDa

Gene ID: 7855, 8325

Pathways: [WNT Signaling](#)

Application Details

Application Notes: IF (p) (1:100-500)
Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months