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Datasheet for ABIN6258789

## anti-FZD2 antibody (Internal Region)

### 2 Images

#### Overview

Quantity:	100 µL
Target:	FZD2
Binding Specificity:	Internal Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FZD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

#### Product Details

Immunogen:	A synthesized peptide derived from human FZD2, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	FZD2 Antibody detects endogenous levels of total FZD2.
Predicted Reactivity:	Pig,Bovine,Horse,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

#### Target Details

Target:	FZD2
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## Target Details

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Alternative Name: FZD2 ([FZD2 Products](#))

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Background: Description: Receptor for Wnt proteins. Most of frizzled receptors are coupled to the beta-catenin canonical signaling pathway, which 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.

Gene: FZD2

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Molecular Weight: 55 kDa

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Gene ID: 2535

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UniProt: [Q14332](#)

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Pathways: [WNT Signaling](#)

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## Application Details

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Application Notes: WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

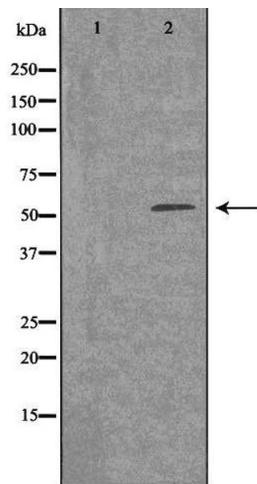
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Storage: -20 °C

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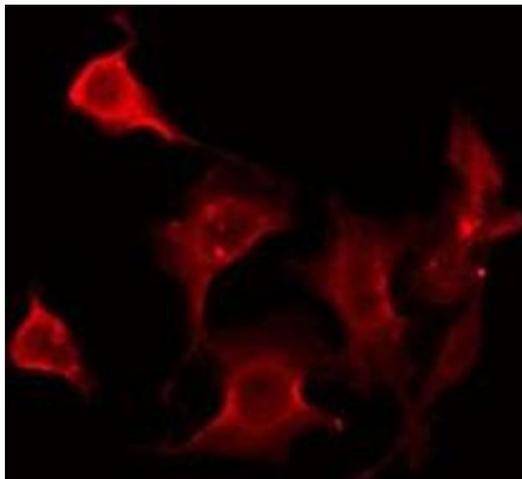
Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

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### Western Blotting

**Image 1.** Western blot analysis of extracts from HeLa cells, using FZD2 antibody. The lane on the left is treated with the antigen-specific peptide.



### Immunofluorescence (fixed cells)

**Image 2.** ABIN6275946 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.