

Datasheet for ABIN302136
anti-FZD2 antibody (Internal Region)

3 Images

1 Publication

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Overview

Quantity:	100 µg
Target:	FZD2
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This FZD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Purpose:	Frizzled 2
Immunogen:	Peptide with sequence RYATLEHPFH CPR, from the internal region of the protein sequence according to NP_001457.1.
Sequence:	RYATLEHPFH CPR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	FZD2
Alternative Name:	FZD2 (FZD2 Products)
Background:	FZD2 , frizzled homolog 2 (Drosophila) , frizzled 2
Gene ID:	2535, 57265, 64512
NCBI Accession:	NP_001457
Pathways:	WNT Signaling

Application Details

Application Notes:	Immunohistochemistry: In paraffin embedded Human Thyroid Gland shows cytoplasm and membranous staining in epithelial cells of the follicles. Recommended concentration: 2-5 µg/mL. Paraffin embedded Human Liver. Recommended concentration: 2.5 µg/mL. Western Blot: Approx 60-65 kDa band observed in Human Heart and Placenta lysates (calculated MW of 63.6 kDa according to NP_001457.1) An additional band of approx. 24 kDa was also observed in some lysates which was successfully blocked by incubation with Peptide ELISA: antibody detection limit dilution 1:64000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of U2OS cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

Handling

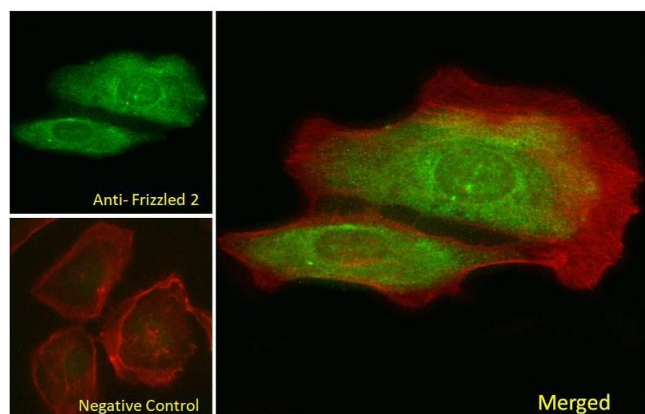
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

at 4°C for a few weeks and still remain viable.

Publications

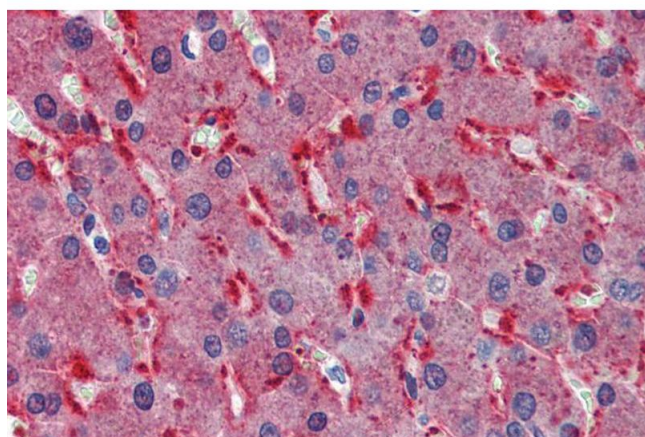
Product cited in: Hirano, Yonezawa, Yunoue, Habu, Uchida, Yoshioka, Kishida, Kishida, Oyoshi, Fujio, Sugata, Yamahata, Hanaya, Arita: "Immunoreactivity of Wnt5a, Fzd2, Fzd6, and Ryk in glioblastoma: evaluative methodology for DAB chromogenic immunostaining." in: **Brain tumor pathology**, Vol. 31, Issue 2, pp. 85-93, (2014) ([PubMed](#)).

Images



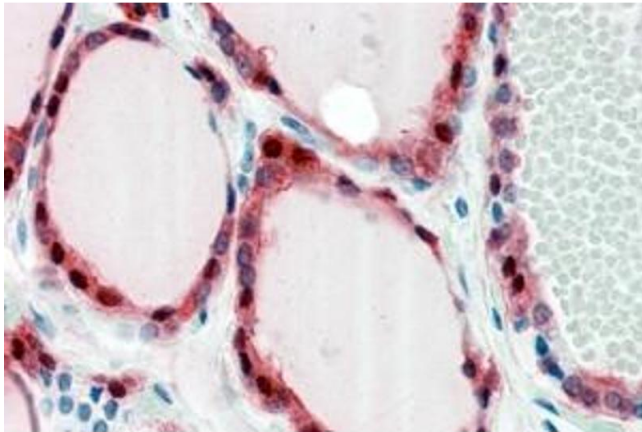
Immunofluorescence

Image 1. ABIN302136 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry

Image 2. ABIN302136 (2.5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry

Image 3. ABIN302136 (2.5µg/ml) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.