

# Product Datasheet

## Frizzled-2 Antibody NBP1-20920

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-20920**

## Frizzled-2 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Frizzled-2 Antibody (NBP1-20920) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Frizzled-2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	2535
Gene Symbol	FZD2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24635767).
Immunogen	Peptide with sequence RYATLEHPFH CPR corresponding to internal region according to NP_001457.1.

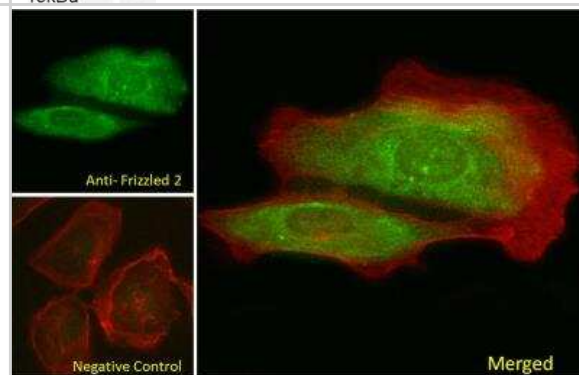
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.03-1 ug/ml, Immunohistochemistry 2 - 5 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 2 - 5 ug/ml, Peptide ELISA Detection limit 1:64000
Application Notes	WB: Preliminary experiments gave an approx. 23 kDa band in human colon, heart and ovary lysates after 0.1 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 63.6 kDa band according to NP_001457.1. The 23 kDa band was successfully blocked by incubation with the immunizing peptide. IHC: Human thyroid gland shows cytoplasm and membranous staining in epithelial cells of the follicles. IHC successful usage on human glioblastomas is reported in scientific literature (PMID: 23748645).

## Images

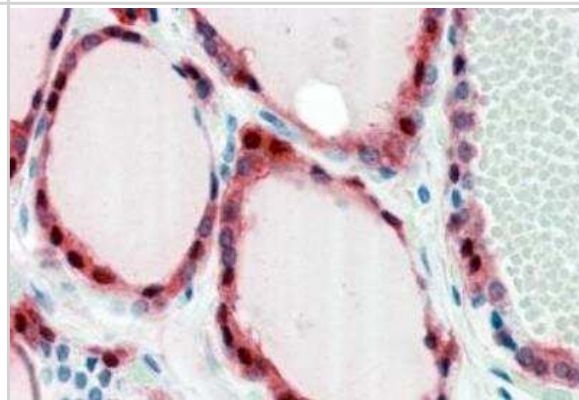
Western Blot: Frizzled-2 Antibody [NBP1-20920] - (0.03ug/ml) staining of Human Heart (A) and (0.1ug/ml) Placenta (B) lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



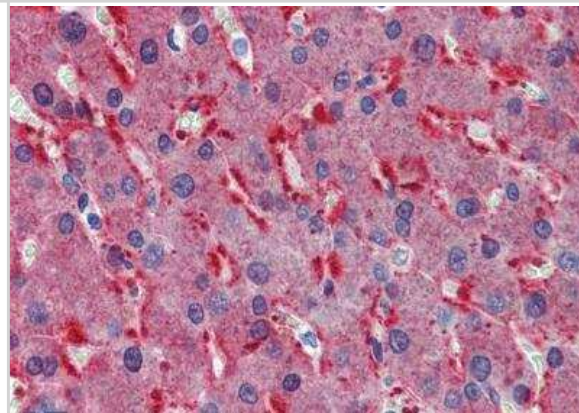
Immunocytochemistry/Immunofluorescence: Frizzled-2 Antibody [NBP1-20920] - Analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. Actin filaments were stained with phalloidin (red). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry-Paraffin: Frizzled-2 Antibody [NBP1-20920] - Staining of paraffin embedded human thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: Frizzled-2 Antibody [NBP1-20920] - Staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Xie Z, Bankaitis VA Phosphatidylinositol transfer protein/planar cell polarity axis regulates neocortical morphogenesis by supporting interkinetic nuclear migration Cell reports 2022-05-31 [PMID: 35649377]

Oishi I, Kawakami Y, Raya A et al. Regulation of primary cilia formation and left-right patterning in zebrafish by a noncanonical Wnt signaling mediator, duboraya. Nat Genet 2006-11-01 [PMID: 17013396]

Kaenel P, Hahnewald S, Wotzkow C et al. Overexpression of EphB4 in the mammary epithelium shifts the differentiation pathway of progenitor cells and promotes branching activity and vascularization. Dev. Growth Differ. 2014-03-18 [PMID: 24635767] (IHC-P, Mouse)





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### **Products Related to NBP1-20920**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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