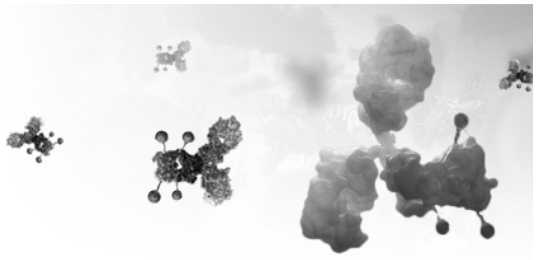

Anti-FZD1 (aa 350-450) polyclonal antibody (DPABH-06209)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. Activated by Wnt3A, Wnt3, Wnt1 and to a lesser extent Wnt2, but not by Wnt4, Wnt5A, Wnt5B, Wnt6, Wnt7A or Wnt7B.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 350 - 450 of Human Frizzled homolog 1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Buffer	pH: 7.40; Constituent: PBS
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	FZD1 frizzled class receptor 2 [Homo sapiens]
Official Symbol	FZD1
Synonyms	FZD1; frizzled class receptor 1; frizzled-1; fz-1; fzE1; hFz1; Wnt receptor; frizzled homolog 1; frizzled family receptor 1; frizzled, Drosophila, homolog of, 1; frizzled 1, seven transmembrane spanning receptor;
Entrez Gene ID	8321
Protein Refseq	NP_003496.1
UniProt ID	Q9UP38
Pathway	Adipogenesis; Basal cell carcinoma; Class B/2 (Secretin family receptors); HTLV-I infection.
Function	G-protein coupled receptor activity; PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221