Frizzled-9 Rabbit pAb

CatalogNo: YT1789

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Monkey

Applications
- WB,IF,ELISA

MW
- 64kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IF 1:200-1:1000
ELISA 1:20000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human FZD9. AA range:542-591
Specificity	Frizzled-9 Polyclonal Antibody detects endogenous levels of Frizzled-9 protein.

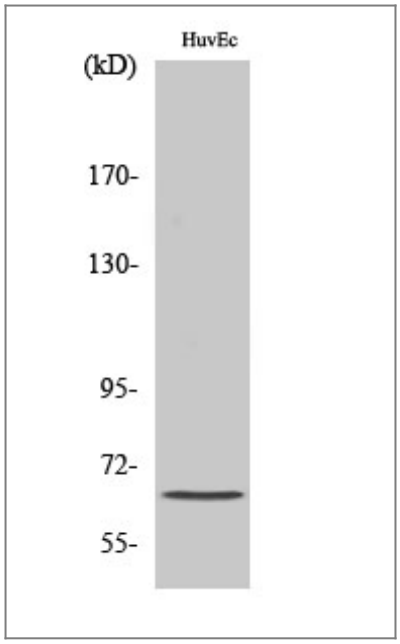
Target Information

Gene name	FZD9
Protein Name	Frizzled-9

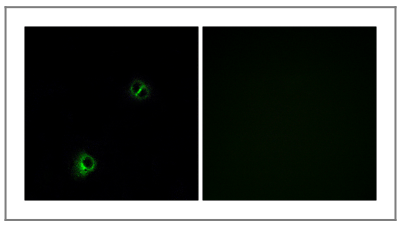
Organism	Gene ID	UniProt ID
Human	8326;	O00144;
Mouse	14371;	Q9R216;

Cellular Localization	Cell membrane ; Multi-pass membrane protein . Relocalizes DVL1 to the cell membrane leading to phosphorylation of DVL1 and AXIN1 relocalization to the cell membrane. .
Tissue specificity	Expressed predominantly in adult and fetal brain, testis, eye, skeletal muscle and kidney. Moderately expressed in pancreas, thyroid, adrenal cortex, small intestine and stomach. Detected in fetal liver and kidney. Expressed in neural progenitor cells (PubMed:27509850).
Function	Caution:Has been first described as FZD3 in litterature.,Domain:Lys-Thr-X-X-X-Trp motif is involved in the activation of the Wnt/beta-catenin signaling pathway.,Domain:The FZ domain is involved in binding with Wnt ligands.,Function: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.,similarity:Belongs to the G-protein coupled receptor Fz/Smo family.,similarity:Contains 1 FZ (frizzled) domain.,tissue specificity:Expressed predominantly in adult and fetal brain, testis, eye, skeletal muscle and kidney. Moderately expressed in pancreas, thyroid, adrenal cortex, small intestine and stomach. Detected in fetal liver and kidney.,

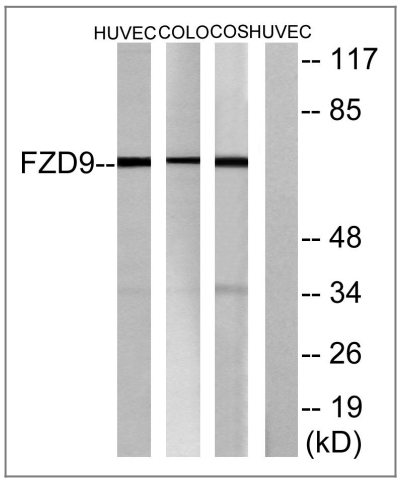
Validation Data



Western Blot analysis of various cells using Frizzled-9 Polyclonal Antibody



Immunofluorescence analysis of A549 cells, using FZD9 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC, COLO, and COS cells, using FZD9 Antibody. The lane on the right is blocked with the synthesized peptide.

Contact information

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Please scan the QR code to access additional product information: **Frizzled-9 Rabbit pAb**