

For Research Use Only

# Frizzled 4 Recombinant monoclonal antibody

Catalog Number:87975-1-RR



## Basic Information

<b>Catalog Number:</b> 87975-1-RR	<b>GenBank Accession Number:</b> BC114527	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8322	<b>CloneNo.:</b> 260031F12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9ULV1	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> frizzled homolog 4 (Drosophila)	
<b>Immunogen Catalog Number:</b> EG5015	<b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, mouse, rat

**Positive Controls:**

**WB :** mouse eye tissue, rat eye tissue, mouse heart tissue, rat heart tissue, human skeletal muscle tissue, human heart tissue, human adipose tissue

## Background Information

Frizzled 4, officially known as frizzled class receptor 4 and designated FZD4, is a protein encoded by the FZD4 gene in humans. It is a member of the frizzled (Fz) gene family, which encodes seven-transmembrane domain proteins that primarily function as receptors for Wnt signaling proteins. Frizzled 4 is embedded in the outer membrane of many cell types, where it plays a critical role in transmitting chemical signals from outside the cell to the nucleus. Frizzled 4 has an almost ubiquitous expression pattern and is found in a wide range of human tissues. Mutations in the FZD4 gene are linked to familial exudative vitreoretinopathy (EVR1), an eye disorder that affects the retina and can lead to progressive vision loss.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

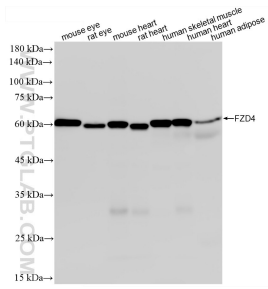
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87975-1-RR (FZD4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.