

For Research Use Only

# TSPAN12 Polyclonal antibody

Catalog Number: 12812-1-AP



## Basic Information

### Catalog Number:

12812-1-AP

### Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3514

### GenBank Accession Number:

BC031265

### GeneID (NCBI):

23554

### UNIPROT ID:

O95859

### Full Name:

tetraspanin 12

### Calculated MW:

305 aa, 35 kDa

### Observed MW:

28 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : HepG2 cells, MCF-7 cells

## Background Information

TSPAN12 is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Tetraspanins have been involved in diverse processes such as cell activation and proliferation, adhesion and motility, differentiation, and cancer. TSPAN12 regulates retinal vascular development by promoting Norrin/beta-catenin signaling (PMID: 19837033). Mutations in TSPAN12 are a relatively frequent cause of familial exudative vitreoretinopathy (FEVR) (PMID: 20159111).

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

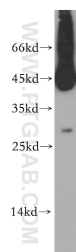
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## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 12812-1-AP (TSPAN12 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.