

# Anti-GPR172B Antibody

Rabbit polyclonal antibody to GPR172B Catalog # AP60634

#### **Product Information**

ApplicationWB, IF/ICPrimary AccessionQ9NWF4

**Reactivity** Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW46317

#### **Additional Information**

**Gene ID** 55065

Other Names GPR172B; PAR2; RFT1; Solute carrier family 52, riboflavin transporter,

member 1; Porcine endogenous retrovirus A receptor 2; PERV-A receptor 2;

Protein GPR172B; Riboflavin transporter 1; hRFT1

**Target/Specificity** KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human GPR172B. The exact sequence is proprietary.

**Dilution** WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A

**Format** Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

**Storage** Store at -20 °C.Stable for 12 months from date of receipt

#### **Protein Information**

Name SLC52A1 ( HGNC:30225)

**Synonyms** GPR172B, PAR2, RFT1

**Function** Plasma membrane transporter mediating the uptake by cells of the water

soluble vitamin B2/riboflavin that plays a key role in biochemical oxidation-reduction reactions of the carbohydrate, lipid, and amino acid metabolism (PubMed:18632736, PubMed:20463145). Humans are unable to synthesize vitamin B2/riboflavin and must obtain it via intestinal absorption

(PubMed: <u>20463145</u>).

**Cellular Location** Cell membrane; Multi-pass membrane protein

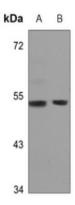
**Tissue Location** Widely expressed. Highly expressed in the testis, placenta and small intestine.

Expressed at lower level in other tissues.

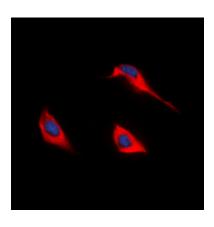
## **Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR172B. The exact sequence is proprietary.

### **Images**



Western blot analysis of GPR172B expression in mouse muscle (A), rat kidney (B) whole cell lysates.



Immunofluorescent analysis of GPR172B staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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