

**Anti-GPR172B Antibody**  
Rabbit polyclonal antibody to GPR172B  
Catalog # AP60634

## Specification

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### Anti-GPR172B Antibody - Product Information

Application	WB, IF
Primary Accession	<a href="#">O9NWF4</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46317

### Anti-GPR172B Antibody - 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

Recognizes endogenous levels of GPR172B protein.

#### Dilution

WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)  
IF~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

#### 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

### Anti-GPR172B Antibody - 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:<a href="http://www.uniprot.org/citations/18632736" target="\_blank">18632736</a>, PubMed:<a href="http://www.uniprot.org/citations/20463145" target="\_blank">20463145</a>). Humans are

unable to synthesize vitamin B2/riboflavin and must obtain it via intestinal absorption (PubMed:<a href="http://www.uniprot.org/citations/20463145" target="\_blank">20463145</a>).

#### Cellular Location

Cell membrane; Multi-pass membrane protein

#### Tissue Location

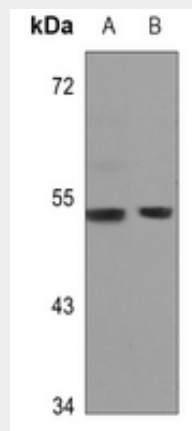
Widely expressed. Highly expressed in the testis, placenta and small intestine. Expressed at lower level in other tissues.

### Anti-GPR172B Antibody - Protocols

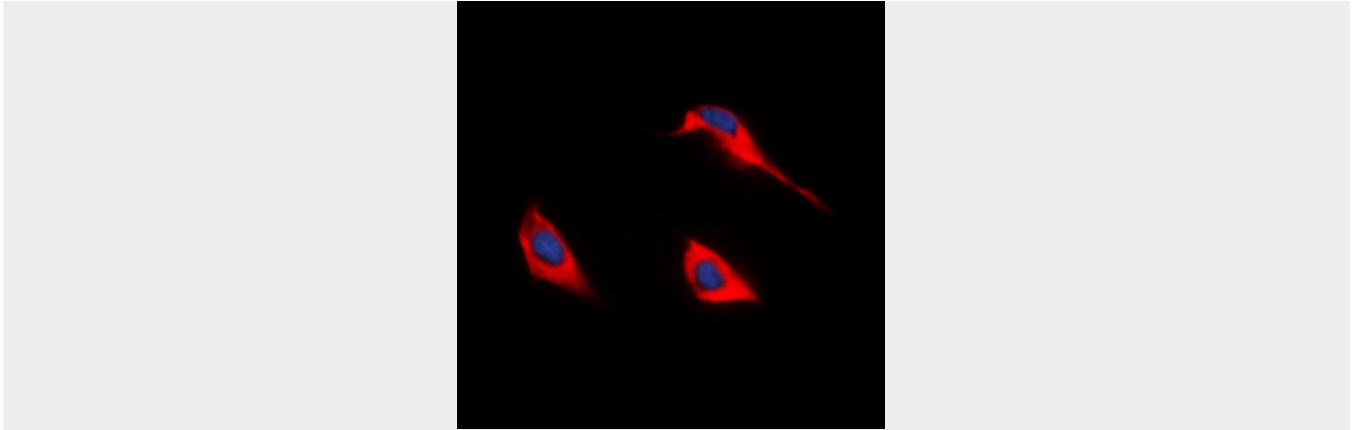
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-GPR172B Antibody - 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 humidified 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).

#### **Anti-GPR172B Antibody - Background**

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