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GPR172B Rabbit pAb

Catalog # AP98271

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NWF4
Other Accession	Q9NWF4
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46317
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPR172B
Epitope Specificity	21-120/448
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the riboflavin transporter family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GPR172B acts as receptor for porcine endogenous retrovirus subgroup A and is strongly expressed in testis.

Additional Information

Gene ID	55065
Other Names	GPCR42; GPR172B; PAR2; RBFVD; RFT1; RFVT1; hRFT1; huPAR-2; S52A1_HUMAN; SLC52A1; Porcine endogenous retrovirus A receptor 2 (PERV-A receptor 2 | huPAR-2); Protein GPR172B; Riboflavin transporter 1 (hRFT1); solute carrier family 52 member 1; G protein-coupled receptor 172B; solute carrier family 52 (riboflavin transporter), member 1; riboflavin transporter 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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:20463145).
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.