

## GPR172A Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP03717
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PEVR1. AA range:43-92
<b>Mol wt</b>	45777
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	GPR172A Antibody
<b>Synonyms</b>	SLC52A2; GPR172A; PAR1; RFT3; Solute carrier family 52; riboflavin transporter, member 2; Porcine endogenous retrovirus A receptor 1; PERV-A receptor 1; Protein GPR172A; Riboflavin transporter 3; hRF

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

SLC52A2 (solute carrier family 52 member 2) encodes a membrane protein which belongs to the riboflavin transporter family. In humans, riboflavin must be obtained by intestinal absorption because it cannot be synthesized by the body. The water-soluble vitamin riboflavin is processed to the coenzymes flavin mononucleotide (FMN) and flavin adenine dinucleotide (FAD) which then act as intermediaries in many cellular metabolic reactions. Paralogous members of the riboflavin transporter gene family are located on chromosomes 17 and 20. Unlike other members of this family, SLC52A2 has higher expression in brain tissue than small intestine. Alternative splicing of this gene results in multiple transcript variants encoding the same protein. Mutations in SLC52A2 have been associated with Brown-Vialetto-Van Laere syndrome 2--an autosomal recessive progressive neurologic disorder characterized by deafness, bulbar dysfunction, and axial and limb hypotonia.

### Recommended Dilution

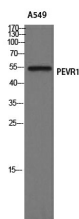
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

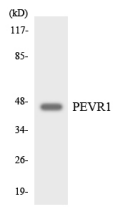
ELISA: 1: 10000

Not yet tested in other applications.

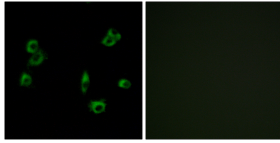
### Images



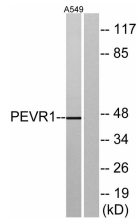
Western Blot analysis of A549 cells using GPR172A Polyclonal Antibody



Western blot analysis of the lysates from HepG2 cells using PEVR1 antibody.



Immunofluorescence analysis of MCF7 cells, using PEVR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from A549 cells, using PEVR1 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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