Product Name: GPR172A Rabbit Polyclonal Antibody
Catalog #: APRab11657

Summary

Production Name	GPR172A Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,WB,
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SLC52A2
Alternative Names	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; hRFT3
Gene ID	79581.0
SwissProt ID	Q9HAB3.The antiserum was produced against synthesized peptide derived from human PEVR1. AA range:43-92

Application

Dilution Ratio	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

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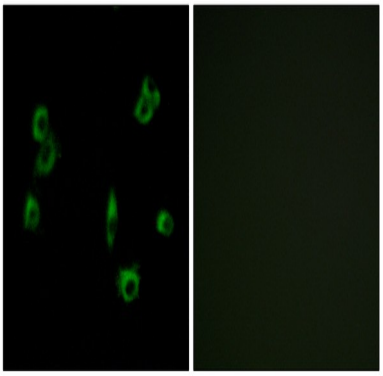
Molecular Weight 46kD

Background

This gene 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, this gene 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 this gene have been associated with Brown-Vialetto-Van Laere syndrome 2 - an autosomal recessive progressive neurologic disorder characterized by deafness, bulbar dysfunctiofunction:Acts as cell surface receptor for porcine endogenous retrovirus (PERV-A).,similarity:Belongs to the PERVR family.,tissue specificity:Detected in a wide variety of tissues. High expression in testis.,

Research Area

Image Data



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

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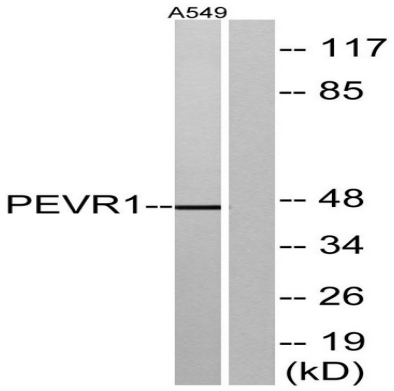
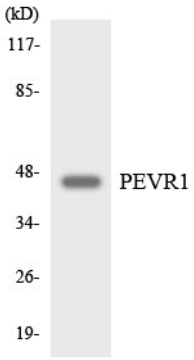
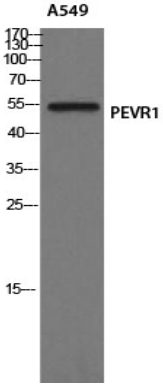


Western blot analysis of lysates from A549 cells, using PEVR1 Antibody. The lane on the right is blocked with the synthesized peptide.



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



Western Blot analysis of A549 cells using GPR172A Polyclonal Antibody

Note

For research use only.