

## GPR172A Polyclonal Antibody

<b>Catalog No :</b>	YT1995
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	GPR172A
<b>Gene Name :</b>	SLC52A2
<b>Protein Name :</b>	Solute carrier family 52 riboflavin transporter member 2
<b>Human Gene Id :</b>	79581
<b>Human Swiss Prot No :</b>	Q9HAB3
<b>Mouse Swiss Prot No :</b>	Q9D8F3
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human PEVR1. AA range:43-92
<b>Specificity :</b>	GPR172A Polyclonal Antibody detects endogenous levels of GPR172A protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	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 dysfunctio

**Function :**

function: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.,

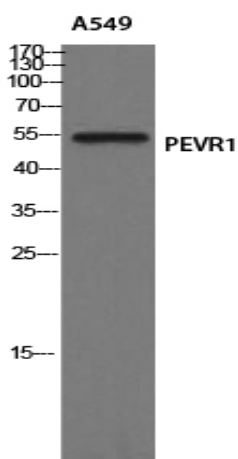
**Subcellular Location :**

Cell membrane ; Multi-pass membrane protein .

**Expression :**

Highly expressed in brain, fetal brain and salivary gland. Weakly expressed in other tissues.

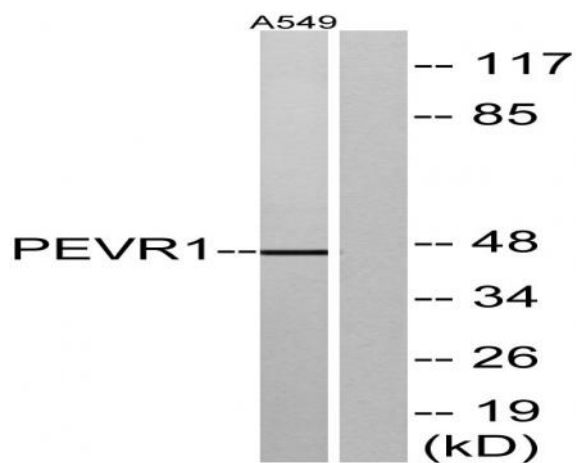
## Products Images



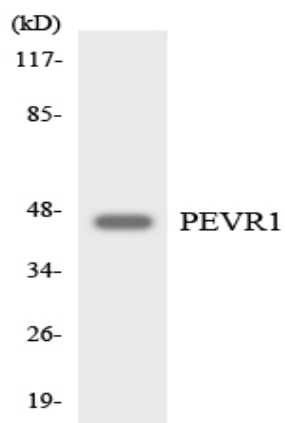
Western Blot analysis of A549 cells using GPR172A Polyclonal Antibody



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.



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