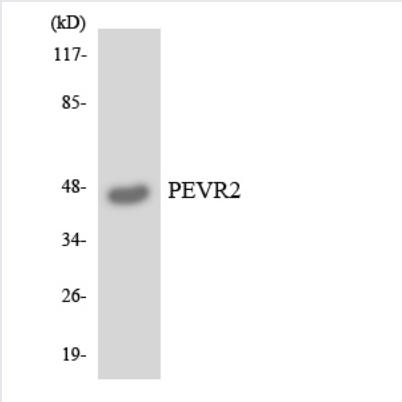
PEVR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PEVR2, Polyclonal Antibody
Full Product Name	PEVR2 Antibody
Product Gene Name	anti-PEVR2 antibody
Product Synonym Gene Name	GPR172B
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	PEVR2 Antibody detects endogenous levels of PEVR2.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	46 kDa
OMIM	AY070775 mRNA
3D Structure	ModBase 3D Structure for Q9NWF4
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human PEVR2.
Immunogen Range	225-274
Applications Tested/Suitable for anti-PEVR2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PEVR2 antibody	WB: 1:500~1:1000 ELISA: 1:10000
Related Product Information for anti-PEVR2 antibody	MBS9510010 is an antibody targeting PEVR2. Also known as PEVR2 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-PEVR2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PEVR2 antibody
Western blot analysis of the lysates from K562 cells using PEVR2 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PEVR2. It may not necessarily be applicable to this product.

NCBI GI #	157388951
NCBI GeneID	55065
NCBI Accession #	NP_001098047.1
UniProt Primary Accession #	Q9NWF4
UniProt Secondary Accession #	Q6P9E0; Q86UT0; B5MEV1; B5MEV2
UniProt Related Accession #	Q9NWF4
GenBank Nucleotide #	NM_001104577.1
NCBI Official Full Name	solute carrier family 52, riboflavin transporter, member 1
NCBI Official Synonym Full Names	solute carrier family 52 member 1
NCBI Official Symbol	SLC52A1
NCBI Official Synonym Symbols	PAR2; RFT1; RBFVD; RFVT1; hRFT1; GPCR42; GPR172B
UniProt Protein Name	Solute carrier family 52, riboflavin transporter, member 1
UniProt Synonym Protein Names	Porcine endogenous retrovirus A receptor 2; PERV-A receptor 2; Protein GPR172B; Riboflavin transporter 1; hRFT1
UniProt Gene Name	SLC52A1
UniProt Synonym Gene Names	PERV-A receptor 2; hRFT1
NCBI Protein Information	solute carrier family 52, riboflavin transporter, member 1
NCBI Summary for PEVR2	Biological redox reactions require electron donors and acceptor. Vitamin B2 is the source for the flavin in flavin adenine dinucleotide (FAD) and flavin mononucleotide (FMN) which are common redox reagents. This gene encodes a member of the riboflavin (vitamin B2) transporter family. Haploinsufficiency of this protein can cause maternal riboflavin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2013]
UniProt Comments for PEVR2	Riboflavin transporter. Riboflavin transport is Na+-independent but moderately pH-sensitive. Activity is strongly inhibited by riboflavin analogs, such as lumiflavin. Weakly inhibited by flavin adenine dinucleotide (FAD). In case of infection by retroviruses, acts as a cell receptor to retroviral envelopes similar to the porcine endogenous retrovirus (PERV-A).
Research Articles on PEVR2	**1.** results are the first to reveal the identity of the minimal SLC52A1 promoter and to establish an important role for Sp-1 in its activity

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