



# GPR172B Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                    |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-13318                                                                                                                                                                                                                                                                                                        |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>                | WB;IF;ELISA                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>                   | SLC52A1                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human PEVR2. AA range:235-284                                                                                                                                                                                                                  |
| <b>Specificity</b>                 | GPR172B Polyclonal Antibody detects endogenous levels of GPR172B 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>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                              |
| <b>Dilution</b>                    | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.                                                                                                                                                                                            |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                               |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>                    | GPCR42;hRFT1;PAR2;PERV A receptor 2;Protein GPR172B;GPR172B;SLC52A1;Solute carrier family 52 riboflavin transporter member 1;RFT1;Solute carrier family 52;riboflavin transporter;member 1;Porcine endogenous retrovirus A receptor 2;PERV-A receptor 2;Riboflavin transporter 1                                   |
| <b>Observed Band</b>               | 46kD                                                                                                                                                                                                                                                                                                               |
| <b>Calculated Molecular Weight</b> | 46kD                                                                                                                                                                                                                                                                                                               |
| <b>Cell Pathway</b>                | Cell membrane ; Multi-pass membrane protein .                                                                                                                                                                                                                                                                      |
| <b>Tissue Specificity</b>          | Widely expressed. Highly expressed in the testis, placenta and small intestine. Expressed at lower level in other tissues.                                                                                                                                                                                         |
| <b>Function</b>                    | function:Acts as receptor for porcine endogenous retrovirus subgroup A (PERV-A).,similarity:Belongs to the PERVR family.,tissue specificity:Detected in a wide variety of tissues. High expression in testis.,                                                                                                     |
| <b>Background</b>                  | 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],

**matters needing attention**

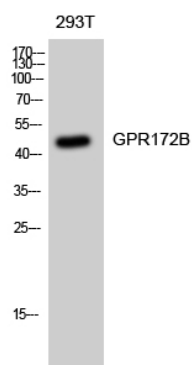
Avoid repeated freezing and thawing!

**Usage suggestions**

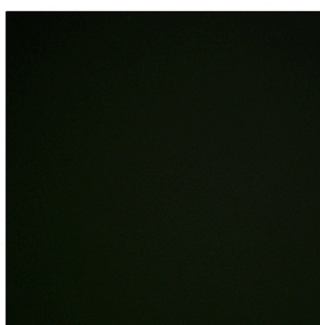
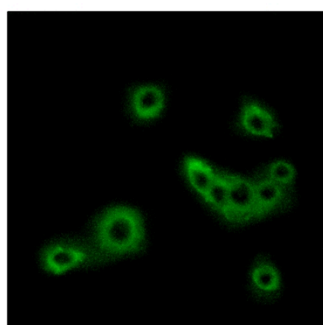
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



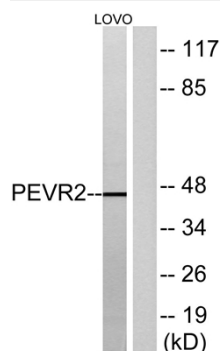
## Products Images



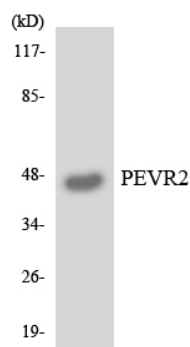
Western Blot analysis of 293T cells using GPR172B Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of MCF7 cells, using PEVR2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO cells, using PEVR2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using PEVR2 antibody.