

## Rabbit GFER Polyclonal Antibody | anti-GFER antibody

GFER Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA279974</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

GFER; Polyclonal Antibody; GFER Polyclonal Antibody; ALR; HPO; HSS; ERV1; HPO1; HPO2; HERV1; anti-GFER antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Isotype                                        | IgG                                                                                                                                                   |
| Purity/Purification                            | Affinity Purification                                                                                                                                 |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                | 205                                                                                                                                                   |
| Applicable Applications for anti-GFER antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Species                                        | Human                                                                                                                                                 |
| Immunogen                                      | Recombinant Protein                                                                                                                                   |
| Immunogen                                      | Recombinant protein of human GFER                                                                                                                     |
| Calculated Molecular Weight                    | 23kDa                                                                                                                                                 |
| Preparation and Storage                        | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



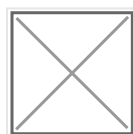
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate using GFER antibody at dilution of 1:100 (40x lens).



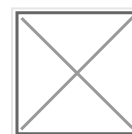
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using GFER antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse stomach using GFER antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GFER antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GFER antibody | The hepatotrophic factor designated augmenter of liver regeneration (ALR) is thought to be one of the factors responsible for the extraordinary regenerative capacity of mammalian liver. It has also been called hepatic regenerative stimulation substance (HSS). The gene resides on chromosome 16 in the interval containing the locus for polycystic kidney disease (PKD1). The putative gene product is 42% similar to the scERV1 protein of yeast. The yeast scERV1 gene had been found to be essential for oxidative phosphorylation, the maintenance of mitochondrial genomes, and the cell division cycle. The human gene is both the structural and functional homolog of the yeast scERV1 gene. |
| Product Categories/Family for anti-GFER antibody   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 218511915                                                                                                                                   |
| NCBI GeneID                      | 2671                                                                                                                                        |
| UniProt Accession #              | P55789; Q53YM6; Q8TAH6; Q9H290; Q9UK40                                                                                                      |
| Molecular Weight                 | 205                                                                                                                                         |
| NCBI Official Full Name          | FAD-linked sulfhydryl oxidase ALR                                                                                                           |
| NCBI Official Synonym Full Names | growth factor, augmenter of liver regeneration                                                                                              |
| NCBI Official Symbol             | GFER                                                                                                                                        |
| NCBI Official Synonym Symbols    | ALR; HPO; HSS; ERV1; HPO1; HPO2; HERV1                                                                                                      |
| NCBI Protein Information         | FAD-linked sulfhydryl oxidase ALR; ERV1 homolog; hepatopoietin protein; erv1-like growth factor; hepatic regenerative stimulation substance |
| UniProt Protein Name             | FAD-linked sulfhydryl oxidase ALR                                                                                                           |
| UniProt Gene Name                | GFER                                                                                                                                        |
| UniProt Synonym Gene Names       | ALR; HERV1; HPO; hERV1                                                                                                                      |
| UniProt Entry Name               | ALR_HUMAN                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.