

GFER Rabbit pAb

Catalog No.: A5463

Basic Information

Observed MW

23kDa

Calculated MW

23kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

Background

The hepatotrophic factor designated augments 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.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:100 - 1:500

Immunogen Information

Gene ID

2671

Swiss Prot

P55789

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 81-205 of human GFER (NP_005253.3).

Synonyms

ALR; HPO; HSS; ERV1; HPO1; HPO2; HERV1; MMCHD; MPMCD; GFER

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

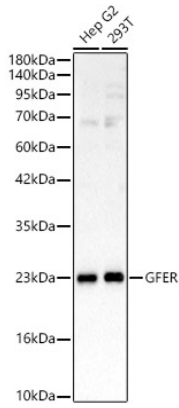
Affinity purification

Storage

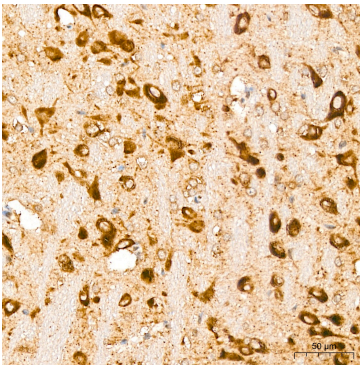
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

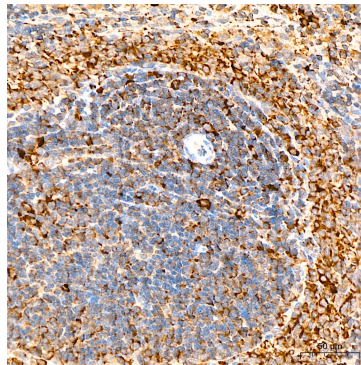
Validation Data



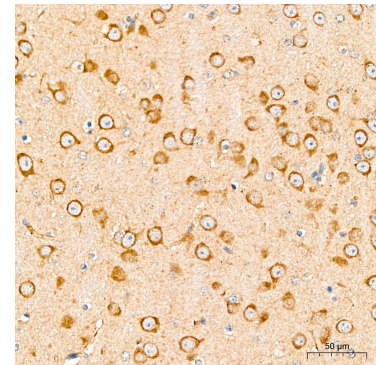
Western blot analysis of various lysates, using GFER Rabbit pAb (A5463) at 1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunohistochemistry analysis of GFER in paraffin-embedded Rat brain tissue using GFER Rabbit pAb (A5463) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of GFER in paraffin-embedded Mouse spleen tissue using GFER Rabbit pAb (A5463) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of GFER in paraffin-embedded Mouse brain tissue using GFER Rabbit pAb (A5463) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.