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Product datasheet for AP51820PU-N

ALR (GFER) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100-1/500. **Flow Cytometry:** 1/10-1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 180-210 amino acids from the C-terminal region of Human Hepatopoietin
Specificity:	This antibody recognizes Human and Mouse Hepatopoietin (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	growth factor, augmenter of liver regeneration
Database Link:	Entrez Gene 11692 MouseEntrez Gene 2671 Human P55789

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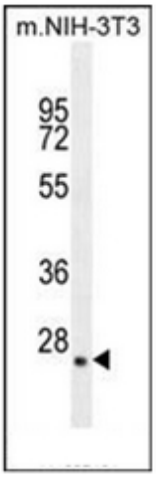
Background: The hepatotrophic factor designated augmenter of liver regeneration (ALR) is thought to be one of the factors responsible for the extraordinary regenerative capacity of mammalian liver. It has also been called hepatic regenerative stimulation substance (HSS). The gene resides on chromosome 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.

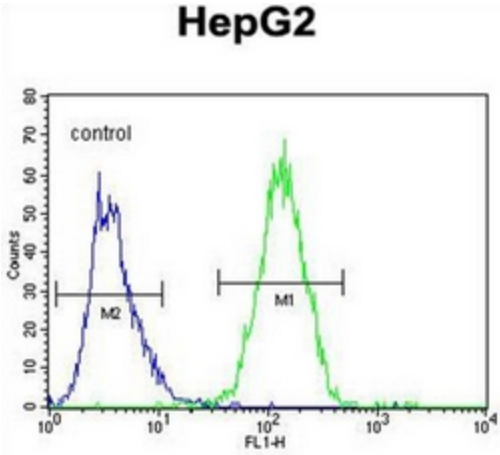
Synonyms: GFER, ALR, HERV1, HPO

Note: **Molecular Weight:** 23449 Da

Product images:



Western blot analysis of Hepatopoietin Antibody (C-term) in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the GFER antibody detected the GFER protein (arrow).



Flow cytometric analysis of HepG2 cells using Hepatopoietin Antibody (C-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.