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**Product Name: ALR Rabbit Polyclonal Antibody****Catalog #: APRab06808**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	24kDa

**Antigen Information**

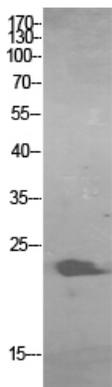
<b>Gene Name</b>	GFER
<b>Alternative Names</b>	GFER; ALR; HERV1; HPO; FAD-linked sulfhydryl oxidase ALR; Augmenter of liver regeneration; hERV1; Hepatopietin
<b>Gene ID</b>	2671.0
<b>SwissProt ID</b>	P55789
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human GFER. AA range:51-100

**Background**

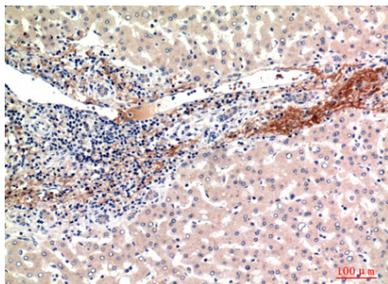
The hepatotrophic factor designated augments liver regeneration (ALR) is thought to be one of the factors responsible for the extraordinary regenerative capacity of mammalian liver. It has also been called hepatic regenerative stimulation substance (HSS). The gene resides on chromosome 16 in the interval 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. [provided by RefSeq, Jul 2008], catalytic activity:  $4 \text{ R}^{\prime}\text{C}(\text{R})\text{SH} + \text{O}_2 = 2 \text{ R}^{\prime}\text{C}(\text{R})\text{S-S}(\text{R})\text{CR}^{\prime} + 2 \text{ H}_2\text{O}$ , cofactor: FAD, function: FAD-dependent sulfhydryl oxidase that catalyzes disulfide bond formation, similarity: Contains 1 ERV/ALR sulfhydryl oxidase domain, subunit: Homodimer,

## Research Area

### Image Data



Western Blot analysis of HBE cells using ALR Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100