

For Research Use Only

# ALR Polyclonal antibody

Catalog Number: 11293-1-AP

Featured Product

26 Publications



## Basic Information

### Catalog Number:

11293-1-AP

### Size:

150ul, Concentration: 650 µg/ml by Nanodrop and 360 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1840

### GenBank Accession Number:

BC028348

### GeneID (NCBI):

2671

### Full Name:

growth factor, augmenter of liver regeneration

### Calculated MW:

15 kDa, 23 kDa

### Observed MW:

23-25 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 µg for 1.0-3.0 mg of total

protein lysate

IHC 1:50-1:500

IF 1:50-1:500

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

FC, IF, IHC, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

### Positive Controls:

WB: mouse liver tissue, rat liver tissue, A431 cells, A375 cells, HepG2 cells

IP: mouse liver tissue,

IHC: human liver cancer tissue, human liver tissue, human testis tissue, human colon cancer tissue

IF: mouse kidney tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

GFER (FAD-linked sulfhydryl oxidase) is also named as ALR, HERV1, HPO. It plays an important role in the disulfide relay system (DRS) in human mitochondria. The GFER gene codes for 2 distinct isoforms that are probably synthesized from the same mRNA with the use of different initiation codons. The long isoform (205 amino acids, 23/21 kD) is located mainly in the mitochondrial intermembrane space and exists under nonreducing and nondenaturing conditions as a homodimer and a heterodimer. The shorter isoform (125 amino acids, 15 kD), which lacks 80 amino acids at its N terminus compared to the longer isoform, is present predominantly in the nucleus (PMID: 19409522, 24880092, 21152698).

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei-Lun Ai	30251695	Biochim Biophys Acta Mol Basis Dis	WB, IF
Chao Zhang	28646508	Hepatology	WB
Jing Zhang	34655600	Exp Cell Res	

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

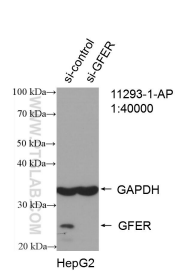
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

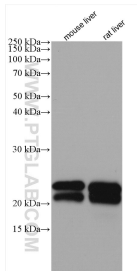
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

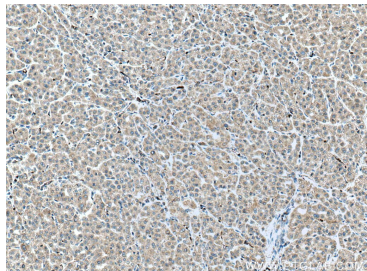
Selected Validation Data



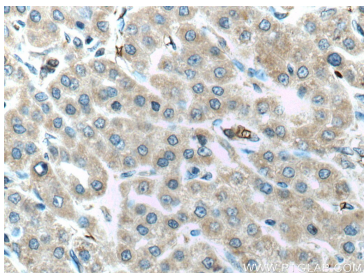
WB result of ALR antibody (11293-1-AP; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALR transfected HepG2 cells.



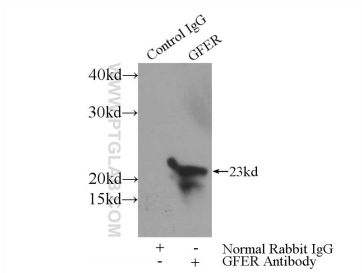
Various lysates were subjected to SDS PAGE followed by western blot with 11293-1-AP (ALR antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



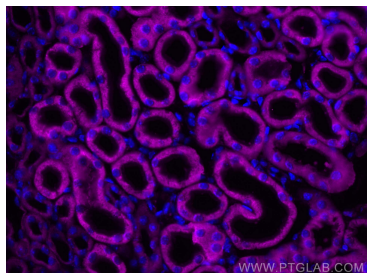
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11293-1-AP (ALR antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11293-1-AP (ALR antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-ALR (IP:11293-1-AP, 3ug; Detection:11293-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using ALR antibody (11293-1-AP) at dilution of 1:200 and CoraLite®647-conjugated AffiniPure F(ab.