

For Research Use Only

ALR Polyclonal antibody

Catalog Number: 11293-1-AP

Featured Product

29 Publications



Basic Information

Catalog Number:

11293-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1840

GenBank Accession Number:

BC028348

GeneID (NCBI):

2671

UNIPROT ID:

P55789

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

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

IP: mouse liver tissue,

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

IF-P: 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

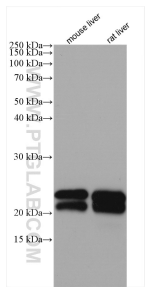
For technical support and original validation data for this product please contact:

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

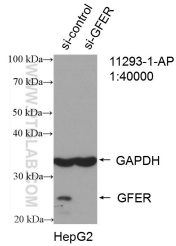
E: proteintech@ptglab.com
W: ptglab.com

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

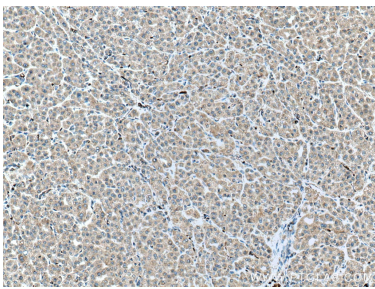
Selected Validation Data



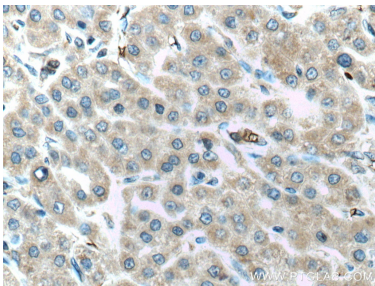
Various lysates were subjected to SDS PAGE followed by western blot with 11293-1-AP (ALR antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



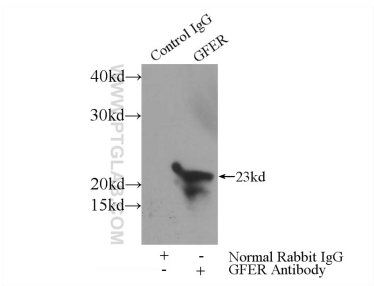
WB result of ALR antibody (11293-1-AP; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALR transfected HepG2 cells.



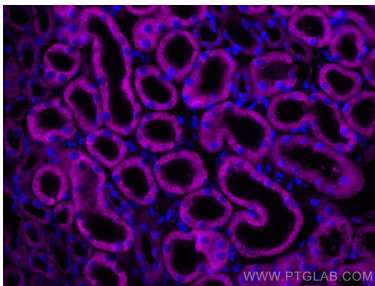
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11293-1-AP (ALR antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 F(ab.