

ALR Polyclonal Antibody

Catalog number: 11293-1-AP

Size: 54 µg/150 µl

Source: Rabbit

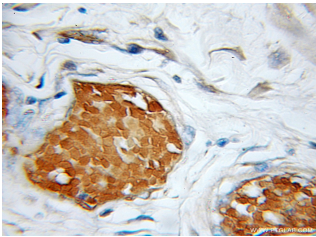
Isotype: IgG

Synonyms:

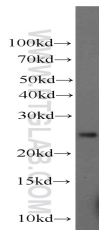
GFER; ALR, ERV1, GFER,

Hepatopoietin, HERV1, HPO,

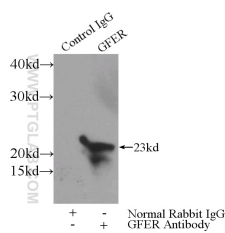
HPO1, HPO2, HSS



Immunohistochemical of paraffin-embedded human colon cancer using 11293-1-AP(GFER antibody) at dilution of 1:100 (under 10x lens)



A375 cells were subjected to SDS PAGE followed by western blot with 11293-1-AP(GFER antibody) at dilution of 1:1000



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

Background

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 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).

Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated ALR MW:	15 kDa, 23 kDa
Observed ALR MW:	23-25 kDa
Positive WB detected in	A375 cells, A431 cells, mouse liver tissue, rat liver tissue
Positive IP detected in	Mouse liver tissue
Positive IHC detected in	Human colon cancer tissue, human liver tissue, human testis tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:500-1:5000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1840
GenBank accession number:	BC028348
Gene ID (NCBI):	2671
Full name:	Growth factor, augmentor of liver regeneration

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.