

ALR Polyclonal Antibody

Catalog No :	YT5529
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	ALR
Gene Name :	GFER
Protein Name :	FAD-linked sulfhydryl oxidase ALR
Human Gene Id :	2671
Human Swiss Prot No :	P55789
Mouse Gene Id :	11692
Mouse Swiss Prot No :	P56213
Rat Gene Id :	27100
Rat Swiss Prot No :	Q63042
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human GFER. AA range:51-100
Specificity :	ALR Polyclonal Antibody detects endogenous levels of ALR protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 24kD

Background : The hepatotropic 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],

Function : catalytic activity:4 R'C(R)SH + O(2) = 2 R'C(R)S-S(R)CR' + 2 H(2)O.,cofactor:FAD.,function:FAD-dependent sulfhydryl oxidase that catalyzes disulfide bond formation.,similarity:Contains 1 ERV/ALR sulfhydryl oxidase domain.,subunit:Homodimer.,

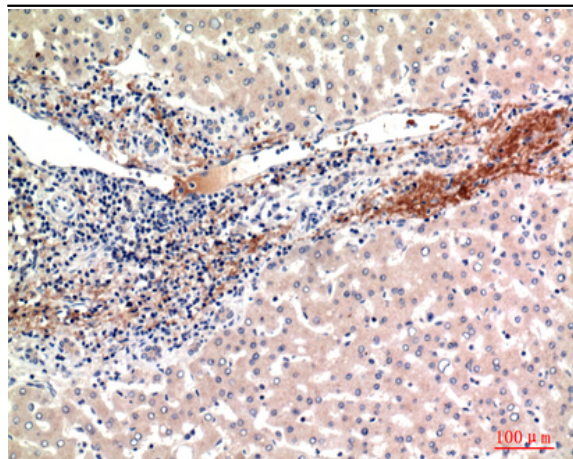
Subcellular Location : [Isoform 1]: Mitochondrion intermembrane space. Mitochondrion .; [Isoform 2]: Cytoplasm. Secreted.

Expression : Ubiquitously expressed. Highest expression in the testis and liver and low expression in the muscle.

Products Images



Western Blot analysis of HBE cells using ALR Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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