

ARG58915 anti-GFER antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GFER
Tested Reactivity	Hu, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GFER
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 67-94 of Human GFER.
Conjugation	Un-conjugated
Alternate Names	Augmenter of liver regeneration; FAD-linked sulfhydryl oxidase ALR; HPO1; HSS; HPO2; HPO; ERV1; EC 1.8.3.2; Hepatopietin; hERV1; ALR; HERV1

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U251	

Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GFER
Gene Full Name	growth factor, augments liver regeneration
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]
Function	<p>Isoform 1: FAD-dependent sulfhydryl oxidase that regenerates the redox-active disulfide bonds in CHCHD4/MIA40, a chaperone essential for disulfide bond formation and protein folding in the mitochondrial intermembrane space. The reduced form of CHCHD4/MIA40 forms a transient intermolecular disulfide bridge with GFER/ERV1, resulting in regeneration of the essential disulfide bonds in CHCHD4/MIA40, while GFER/ERV1 becomes re-oxidized by donating electrons to cytochrome c or molecular oxygen.</p> <p>Isoform 2: May act as an autocrine hepatotrophic growth factor promoting liver regeneration. [UniProt]</p>
Calculated Mw	23 kDa
Cellular Localization	Isoform 1: Mitochondrion intermembrane space. Mitochondrion; Isoform 2: Cytoplasm. Secreted. [UniProt]

Images



ARG58915 anti-GFER antibody WB image

Western blot: 35 µg of U251 cell lysate stained with ARG58915 anti-GFER antibody.