

GFER Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11673b**Specification**

GFER Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P55789](#)**GFER Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 2671**Other Names**

FAD-linked sulfhydryl oxidase ALR, Augmenter of liver regeneration, hERV1, Hepatopoietin, GFER, ALR, HERV1, HPO

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GFER Antibody (C-term) Blocking peptide - Protein Information**Name** GFER**Synonyms** ALR, HERV1, HPO**Function**

[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.

Cellular Location

[Isoform 1]: Mitochondrion intermembrane space. Mitochondrion

Tissue Location

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

GFER Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GFER Antibody (C-term) Blocking peptide - Images

GFER Antibody (C-term) Blocking peptide - Background

This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. Knockout studies in mice indicate that this gene is important for specification of paraxial mesoderm structures.

GFER Antibody (C-term) Blocking peptide - References

Fei, Q., et al. Spine 35(9):983-988(2010) Ghebranious, N., et al. J. Bone Miner. Res. 23(10):1576-1583(2008) Farin, H.F., et al. J. Biol. Chem. 282(35):25748-25759(2007) Papapetrou, C., et al. Genomics 55(2):238-241(1999) Yi, C.H., et al. Genomics 55(1):10-20(1999)