

ERAL1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17620c

Specification

ERAL1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O75616](#)

ERAL1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 26284

Other Names

GTPase Era, mitochondrial, H-ERA, hERA, Conserved ERA-like GTPase, CEGA, ERA-W, ERA-like protein 1, ERAL1, HERA

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.

ERAL1 Antibody (Center) Blocking Peptide - Protein Information

Name ERAL1

Synonyms HERA

Function

Probable GTPase that plays a role in the mitochondrial ribosomal small subunit assembly. Specifically binds the 12S mitochondrial rRNA (12S mt-rRNA) to a 33 nucleotide section delineating the 3' terminal stem-loop region. May act as a chaperone that protects the 12S mt-rRNA on the 28S mitoribosomal subunit during ribosomal small subunit assembly.

Cellular Location

Mitochondrion matrix. Mitochondrion inner membrane; Peripheral membrane protein.
Note=Localizes on the matrix side on the mitochondrial inner membrane

ERAL1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ERAL1 Antibody (Center) Blocking Peptide - Images

ERAL1 Antibody (Center) Blocking Peptide - Background

Era is an essential GTPase that is required for proper cell cycle progression and cell division in E. coli. Human homologues have been isolated which have been designated ERAL1A and ERAL1B.

ERAL1 Antibody (Center) Blocking Peptide - References

Dennerlein, S., et al. Biochem. J. 430(3):551-558(2010) Hillman, R.T., et al. Genome Biol. 5 (2), R8 (2004) :Akiyama, T., et al. Genes Cells 6(11):987-1001(2001) Britton, R.A., et al. Genomics 67(1):78-82(2000)