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TMLHE Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10744a

Specification

TMLHE Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q9NVH6

TMLHE Antibody (N-term) Blocking peptide - Additional Information

Gene ID 55217

Other Names
Trimethyllysine dioxygenase, mitochondrial, Epsilon-trimethyllysine 2-oxoglutarate dioxygenase, Epsilon-trimethyllysine hydroxylase, TML hydroxylase, TML-alpha-ketoglutarate dioxygenase, TML dioxygenase, TMLD, TMLHE, TMLH

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.

TMLHE Antibody (N-term) Blocking peptide - Protein Information

Name TMLHE

Synonyms TMLH

Function
Converts trimethyllysine (TML) into hydroxytrimethyllysine (HTML) (PubMed:11431483, PubMed:23092983).

Cellular Location
Mitochondrion matrix

Tissue Location
All isoforms, but isoform 8, are widely expressed in adult and fetal tissues. Isoform 8 is restricted to heart and skeletal muscle.

TMLHE Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

TMLHE Antibody (N-term) Blocking peptide - Images

TMLHE Antibody (N-term) Blocking peptide - Background

This gene encodes the protein trimethyllysine dioxygenasewhich is the first enzyme in the carnitine biosynthesis pathway.Carnitine play an essential role in the transport of activatedfatty acids across the inner mitochondrial membrane. The encodedprotein converts trimethyllysine into hydroxytrimethyllysine. Apseudogene of this gene is found on chromosome X. Alternatesplicing results in multiple transcript variants.

TMLHE Antibody (N-term) Blocking peptide - References

Monfregola, J., et al. Gene 395 (1-2), 86-97 (2007) :Monfregola, J., et al. J. Cell. Physiol. 204(3):839-847(2005)Vaz, F.M., et al. J. Biol. Chem. 276(36):33512-33517(2001)Rogner, U.C., et al. Genome Res. 6(10):922-934(1996)