

DREV Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6636b

Specification

DREV Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9H1A3](#)

DREV Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 51108

Other Names

Methyltransferase-like protein 9, DORA reverse strand protein, DREV, DREV1, METTL9, DREV

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6636b](#) was selected from the C-term region of human DREV. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

DREV Antibody (C-term) Blocking Peptide - Protein Information

Name METTL9 {ECO:0000303|PubMed:33563959, ECO:0000312|HGNC:HGNC:24586}

Function

Protein-histidine N-methyltransferase that specifically catalyzes 1-methylhistidine (pros-methylhistidine) methylation of target proteins (PubMed:[33563959](http://www.uniprot.org/citations/33563959), PubMed:[34562450](http://www.uniprot.org/citations/34562450), PubMed:[37015930](http://www.uniprot.org/citations/37015930), PubMed:[37398635](http://www.uniprot.org/citations/37398635)). Specifically methylates the second His of proteins with a His-x-His (HxH) motif (where 'x' is preferably a small amino acid), while exploiting the first one as a recognition signature (PubMed:[37398635](http://www.uniprot.org/citations/37398635)). Catalyzes methylation of target proteins such as S100A9, NDUFB3, SLC39A5, SLC39A7, ARMC6 and DNAJB12; 1-methylhistidine modification may affect the binding of zinc and other metals to its target proteins (PubMed:[33563959](http://www.uniprot.org/citations/33563959)

target="_blank">>33563959, PubMed:>34562450, PubMed:>37015930, PubMed:>37398635). Constitutes the main methyltransferase for the 1-methylhistidine modification in cell (PubMed:>33563959).

Cellular Location

Endoplasmic reticulum Mitochondrion. Note=Colocalizes with membranous compartments such as the endoplasmic reticulum and mitochondria.

DREV Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DREV Antibody (C-term) Blocking Peptide - Images

DREV Antibody (C-term) Blocking Peptide - Background

DREV belongs to the DREV family.

DREV Antibody (C-term) Blocking Peptide - References

Shu,K.X., Colloids Surf B Biointerfaces 52 (1), 22-30 (2006)Tsang,H.T., Genomics 88 (3), 333-346 (2006)