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METTL9 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57278

Specification

METTL9 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q9H1A3
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**34 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human METTL9**
Epitope Specificity	**211-310/318**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SIMILARITY	**Belongs to the DREV family.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

METTL9 Polyclonal Antibody - Additional Information

Gene ID 51108

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

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

METTL9 Polyclonal Antibody - 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, PubMed:34562450, PubMed:37015930, PubMed: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). 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, 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.

METTL9 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

METTL9 Polyclonal Antibody - Images