

For Research Use Only

METTL7B Polyclonal antibody, PBS Only

Catalog Number: 17001-1-PBS



Basic Information

Catalog Number:

17001-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10694

GenBank Accession Number:

BC020509

GeneID (NCBI):

196410

UNIPROT ID:

Q6UX53

Full Name:

methyltransferase like 7B

Calculated MW:

244aa, 28 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Background Information

METTL7B is a membrane-associated small-molecule methyltransferase that catalyzes S-methylation of alkyl thiols, thereby linking thiol/sulfur metabolism, redox homeostasis, and cellular stress responses. By influencing antioxidant enzyme expression and detoxification pathways, METTL7B plays a pivotal role in tumor growth and drug resistance, particularly in lung adenocarcinoma. Its upregulation in multiple cancers and involvement in redox/thiol metabolism make it an emerging therapeutic target in oncology and possibly in metabolic/oxidative stress-related disease settings. (PMID: 40068772)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

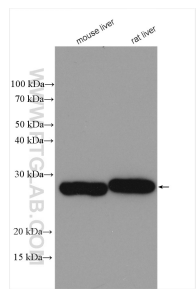
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

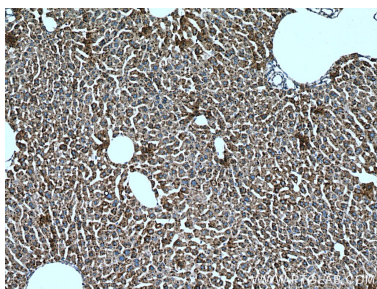
E: proteintech@ptglab.com
W: ptglab.com

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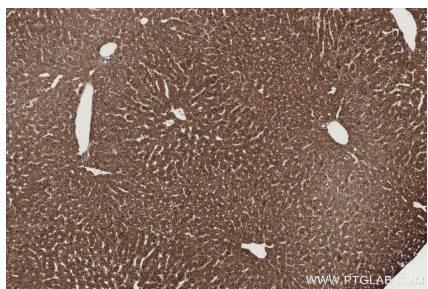
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17001-1-AP (METTL7B antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17001-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 17001-1-AP (METTL7B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17001-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 17001-1-AP (METTL7B antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17001-1-PBS in a different storage buffer formulation.