BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-METTL14 Antibody (N-Term)

Catalog Number: M07389

About METTL14

N6-methyltransferase that methylates adenosine residues of some mRNAs and acts as a regulator of the circadian clock and self-renewal of embryonic stem cells. N6-methyladenosine (m6A), which takes place at the 5'-[AG]GAC-3' consensus sites of some mRNAs, plays a role in the efficiency of mRNA splicing and processing and mRNA stability. M6A regulates the length of the circadian clock: acts as a early pace-setter in the circadian loop M6A also acts as a regulator of mRNA stability: in embryonic stem cells (ESCs), m6A methylation of mRNAs encoding developmental regulators, results in transcript destabilization, maintaining the groung state of ESCs, thereby promoting self-renewal of ESCs.

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Overview

Product Name	Anti-METTL14 Antibody (N-Term)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-METTL14 Antibody (N-Term) (Catalog # M07389). Tested in IF, WB, IHC-P application(s). This antibody reacts with Human, Mouse.
Application	IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9HCE5

Technical Details

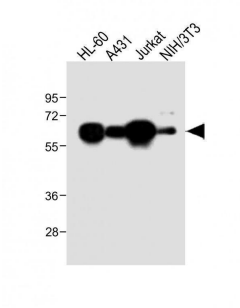
Immunogen	This METTL14 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 2-36 amino acids from the human region of human METTL14.
Predicted Reactive Species	Bovine
Isotype	Rabbit IgG

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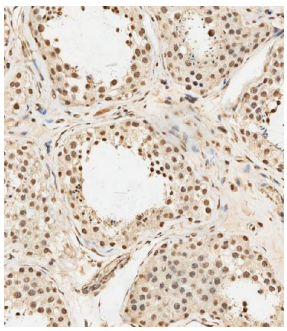
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:2000 IHC-P: 1:250

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Anti-METTL14 Antibody (N-Term) (M07389) Images



All lanes : Anti-METTL14 Antibody (N-Term) at 1:2000 dilutionLane 1: HL-60 whole cell lysateLane 2: A431 whole cell lysateLane 3: Jurkat whole cell lysateLane 4: NIH/3T3 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M07389 staining METTL14 in human testis tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Samples were incubated with primary antibody (1/250) for 1 hours at room temperature. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

Anti-METTL14 Antibody (N-Term)

For Research Use Only. Not for use in diagnostic procedures.