À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-METTL14

Numéro de catalogue:80790-1-RR Phare 1 Publications

Informations de base

Numéro de catalogue:
80790-1-RR

Taille:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG14325

Numéro d'acquisition GenBank:
BC007449

Identification du gène (NCBI):
57721

Nom complet:
methyltransferase like 14

MW calculé
456 aa, 52 kDa

MW observés:
55-60 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
2E7

Dilutions recommandées:
WB 1:2000-1:14000
IHC 1:1000-1:4000

Applications

Applications testées:
IHC, WB, ELISA

Demandes citées:
IHC, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules LNCaP, cellules HEK-293, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules NCCIT, cellules NIH/3T3

IHC : tissu de cancer du côlon humain,

Informations générales

METTL14, is also named as Methyltransferase-like protein 14 or KIAA1627, is a 456 amino acid protein, which belongs to the MT-A70-like family and localized in the nucleus. The METTL3-METTL14 heterodimer forms a N6-methyltransferase complex that methylates adenosine residues of some mRNAs and regulates the circadian clock and differentiation 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, 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 key naïve pluripotency-promoting transcripts results in transcript destabilization.

Publications notables

Autrice	Pubmed ID	Journal	Application
Kangjie Wang	36482903	Front Genet	WB,IHC

Stockage

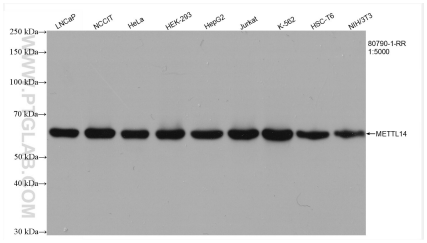
Stockage:
Stocker à -20 °C.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

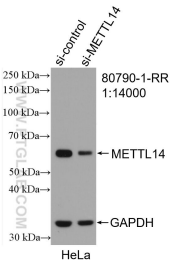
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

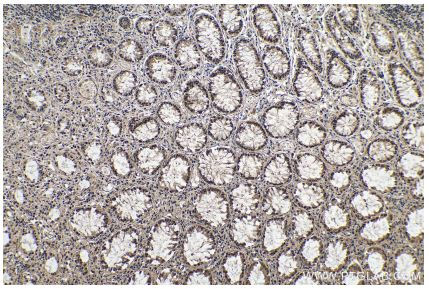
Données de validation sélectionnées



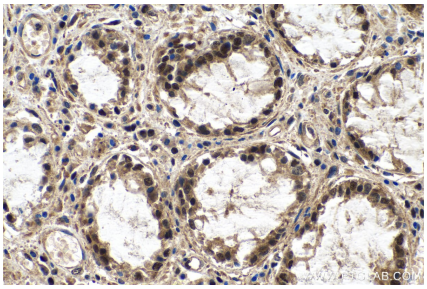
Various lysates were subjected to SDS PAGE followed by western blot with 80790-1-RR (METTL14 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



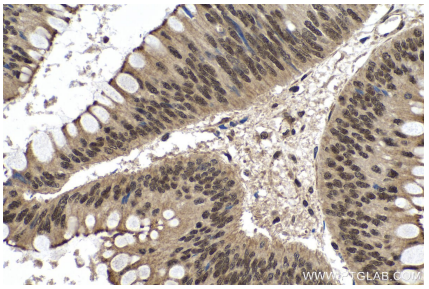
WB result of METTL14 antibody (80790-1-RR; 1:14000; incubated at room temperature for 1.5 hours) with sh-Control and sh-METTL14 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 80790-1-RR (METTL14 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 80790-1-RR (METTL14 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 80790-1-RR (METTL14 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).