For Research Use Only

m6A Essentials Antibody Kit

Catalog Number: PK30018

www.ptgcn.com

产品介绍

m6A Essentials Antibody Kit为研究修饰m6A及其调控因子提供了一种经济有效的工具。对于开始新项目的研究人员、筛选多个潜在目标的研究人员或那些仅仅需要较少体积抗体的研究人员来说是非常适合的。

产品成分

The m6A Essentials Antibody Kit 包含m6A及其调节因子的8个关键蛋白靶点的抗体。

Antigen	Catalog No.	Host, clonality	Tested Reactivity	Applications	Volume
m6A	68055-1-Ig	Mouse monoclonal	H, M, R, Pg	WB, IP, IF, RIP, IHC, ELISA, Dot Blot	20 uL
METTL3	80323-1-RR	Rabbit monoclonal	H, M, R	WB, IF, IHC, ELISA	20 uL
METTL14	80790-1-RR	Rabbit monoclonal	H, M	WB, IHC, ELISA	20 uL
WTAP	60188-1-Ig	Mouse monoclonal	H, M, R, Dr	WB, IP, IF, FC, RIP, I HC, ELISA	20 uL
FTO	81471-1-RR	Rabbit monoclonal	H	WB, IF, IHC, ELISA	20 uL
ALKBH5	67811-1-Ig	Mouse monoclonal	H, M, R	WB, IHC, ELISA	20 uL
YTHDF1	66745-1-Ig	Mouse monoclonal	H, M, R, Pg	WB, IP, IF, IHC, CoIP, ELISA	20 uL
YTHDF2	81340-1-RR	Rabbit monoclonal	H, M, R	WB, IP, IF, IHC, CoIP, ELISA	20 uL

包装规格

8× 20 uL

保存条件

-20℃保存。自收到之日起一年内保持稳定。

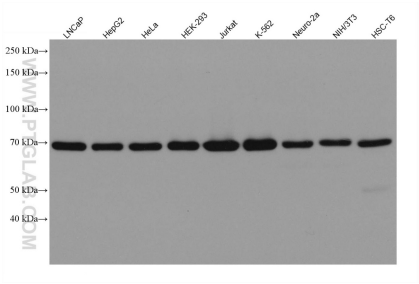
背景介绍

m6A （n6 -甲基腺苷）是哺乳动物mRNA中最丰富的修饰。这种修饰是由m6A甲基化转移酶（Writers）发起的，如METTL3、METTL14和WTAP等。m6A修饰可以被去甲基化酶（Erasers）如FTO和ALKBH5等逆转。m6A修饰mRNA的稳定性受YTHDF蛋白（Readers）的调控，YTHDF蛋白识别m6A并降低靶转录物的稳定性。m6A及其调控蛋白在癌症的发生和发展中起着关键作用。

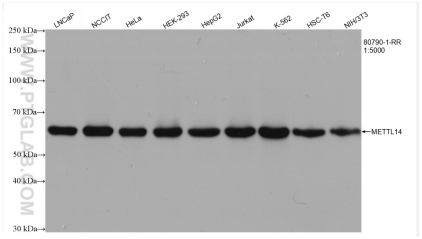
标准实验流程

点击此处查看我们用于各种应用的标准流程，包括WB、IP、IHC、IF、FC和ELISA。

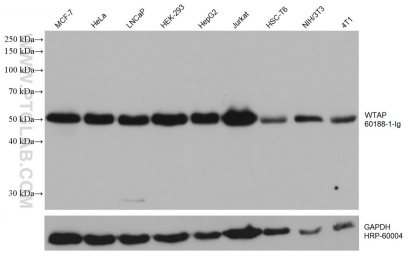
Validation Data



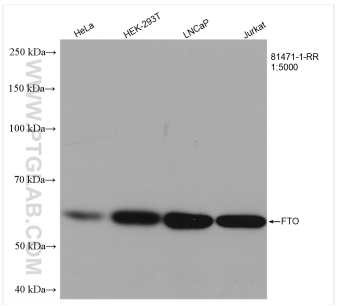
Various lysates were subjected to SDS PAGE followed by western blot with 80323-1-RR (METTL3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



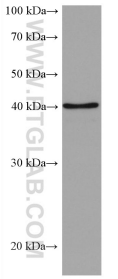
Various lysates were subjected to SDS PAGE followed by western blot with 80790-1-RR (METTL14 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



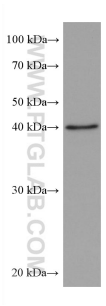
Various lysates were subjected to SDS PAGE followed by western blot with 60188-1-Ig (WTAP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



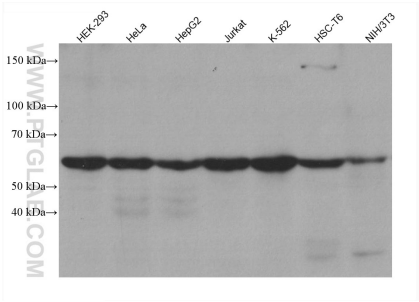
Various lysates were subjected to SDS PAGE followed by western blot with 81471-1-RR (FTO antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



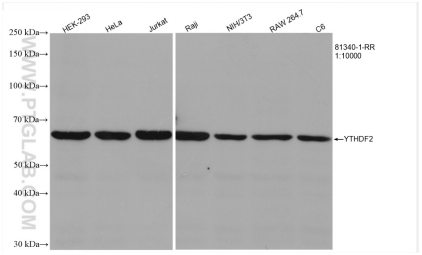
4T1 cells were subjected to SDS PAGE followed by western blot with 67811-1-Ig (ALKBH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



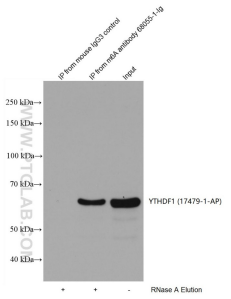
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 67811-1-Ig (ALKBH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



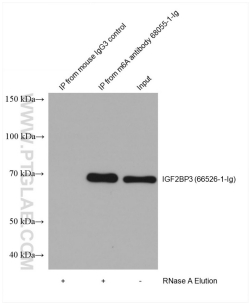
Various lysates were subjected to SDS PAGE followed by western blot with 66745-1-Ig (YTHDF1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



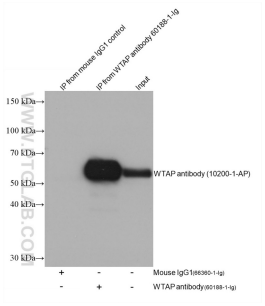
Various lysates were subjected to SDS PAGE followed by western blot with 81340-1-RR (YTHDF2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



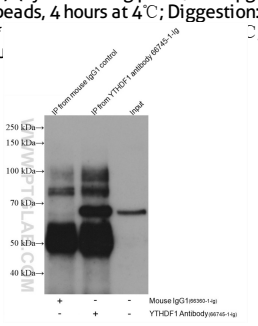
HEK-293 cells were lysised and immunoprecipitated with Protein A-m6A antibody and Protein A-mouse IgG3 control antibody respectively in the presence of RNAase inhibotor cocktail. The immunoprecipitated complex was washed diggested by RNAse A followed by western blot with YTHDF1(m6A reader) antibody 17479-1-... AP (1:2000). (Lysate: 3.6mg per IP; IP: 15μg antibody and 50μL beads, 4 hours at 4℃; Diggestion: 50μg/mL * ℃; Loading: 20% of elu



HEK-293 cells were lysised and immunoprecipitated with Protein A-m6A antibody and Protein A-mouse IgG3 control antibody respectively in the presence of RNAase inhibotor cocktail. The immunoprecipitated complex was washed diggested by RNAse A followed by western



IP result of anti-WTAP (IP:60188-1-Ig, 4ug; Detection:10200-1-AP 1:8000) with HeLa cells lysate 2000 ug.



IP result of anti-YTHDF1 (IP:66745-1-Ig, 4ug; Detection:66745-1-Ig 1:2000) with Jurkat cells lysate 2000 ug.