

For Research Use Only

ALKBH5 Recombinant antibody

Catalog Number: 82083-1-RR

Featured Product



Basic Information

Catalog Number:

82083-1-RR

Size:

100ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10516

GenBank Accession Number:

BC062339

GeneID (NCBI):

54890

UNIPROT ID:

Q6P6C2

Full Name:

alkB, alkylation repair homolog 5 (E. coli)

Calculated MW:

458 aa, 51 kDa

Observed MW:

40-50 kDa

Purification Method:

Protein A purification

CloneNo.:

2K9

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293 cells, HeLa cells, HepG2 cells, A549 cells, K-562 cells, mouse brain tissue, rat brain tissue

IF/ICC : U-251 cells,

Background Information

ALKBH5, also named as ABH5 and OFOX1, is a Dioxygenase that demethylates RNA by oxidative demethylation. It is a mammalian demethylase that oxidatively reverses m6A in mRNA in vitro and in vivo. ALKBH5 is required for spermatogenesis. There're some isoforms of ALKBH5 with MW 40-44 kDa and 52 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

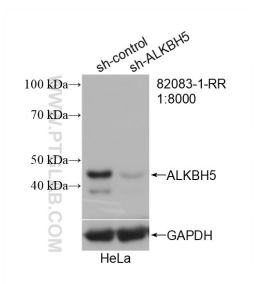
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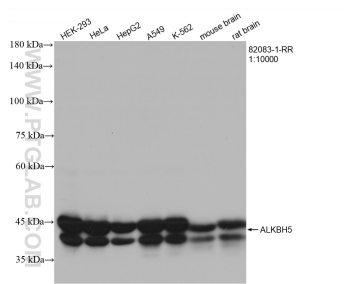
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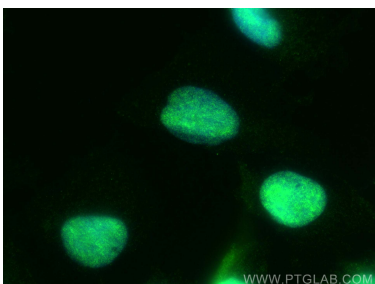
Selected Validation Data



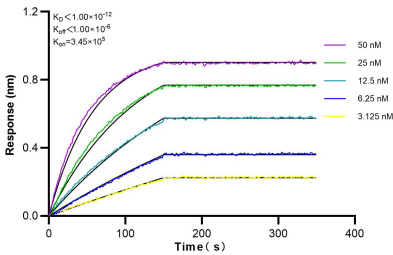
WB result of ALKBH5 antibody (82083-1-RR; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALKBH5 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 82083-1-RR (ALKBH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using ALKBH5 antibody (82083-1-RR, Clone: 2K9) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Biolayer interferometry (BLI) kinetic assays of 82083-1-RR against Human ALKBH5 were performed. The affinity constant is below 1 pM.