abcam

ab234082

Anti-KDM2B antibody [6F6G11]

Key facts

Isotype	IgG2b
Host species	Mouse
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human KDM2B aa 450 to C-terminus. The exact immunogen used to generate this antibody is proprietary information. Database link Q8NHM5
Clone number	6F6G11
Purification technique	Affinity purification Protein G
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from tissue culture supernatant.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1/200 - 1/400
Notes	-

Not recommended

Species	Recombinant fragment - Human
Dilution info	-
Notes	-

WB

Tested

Species	Recombinant fragment - Human
Dilution info	1/100 - 1/500
Notes	-

Species	Human
Dilution info	1/100 - 1/500
Notes	-

Target data

See full target information KDM2B

Function

Histone demethylase that demethylates 'Lys-4' and 'Lys-36' of histone H3, thereby playing a central role in histone code (PubMed:16362057, PubMed:17994099, PubMed:26237645). Preferentially demethylates trimethylated H3 'Lys-4' and dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys-36' (PubMed:16362057, PubMed:17994099, PubMed:26237645). Preferentially binds the transcribed region of ribosomal RNA and represses the transcription of ribosomal RNA genes which inhibits cell growth and proliferation (PubMed:16362057, PubMed:17994099). May also serve as a substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex (Probable).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C

Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

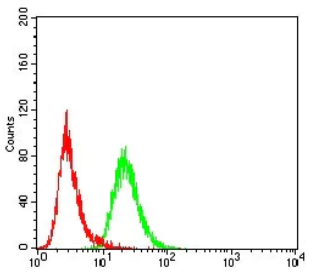
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

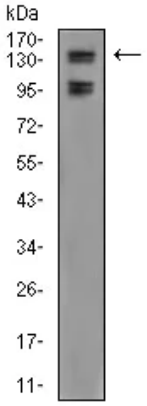
4 product images



Flow Cytometry - Anti-KDM2B antibody [6F6G11] (ab234082)

KDM2B Flow Cytometry staining using mouse Anti-KDM2B antibody

Flow cytometric analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) cells labelling KDM2B using ab234082 at 1/200 dilution (green) compared to a negative control (red).



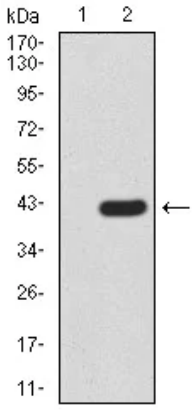
Western blot - Anti-KDM2B antibody [6F6G11] (ab234082)

KDM2B Western blot staining of A549 (human lung carcinoma cell line) cell lysate using mouse Anti-KDM2B antibody

All lanes:
Western blot - Anti-KDM2B antibody [6F6G11] (ab234082) at 1/100 dilution

All lanes:
A549 (human lung carcinoma cell line) cell lysate

Predicted band size: 153 kDa



Western blot - Anti-KDM2B antibody [6F6G11] (ab234082)

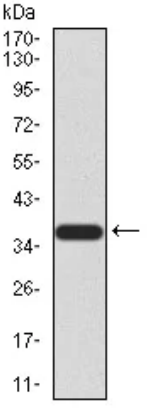
KDM2B Western blot staining using mouse Anti-KDM2B antibody

All lanes:
Western blot - Anti-KDM2B antibody [6F6G11] (ab234082) at 1/100 dilution

Lane 1:
HEK-293 (human epithelial cell line from embryonic kidney) cell lysate

Lane 2:
KDM2B (aa 457-555)-hIgGFc-transfected HEK-293 cell lysate

Predicted band size: 153 kDa



Western blot - Anti-KDM2B antibody [6F6G11] (ab234082)

KDM2B Western blot staining of Human KDM2B (aa 457-555) recombinant protein using mouse Anti-KDM2B antibody

Expected recombinant MW: 36.8 kDa
All lanes:
Western blot - Anti-KDM2B antibody [6F6G11] (ab234082) at 1/100 dilution

All lanes:
Human KDM2B (aa 457-555) recombinant protein

Predicted band size: 153 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.