

## ARG40178 anti-ALKBH5 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ALKBH5
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ALKBH5
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 302-330 of Human ALKBH5.
Conjugation	Un-conjugated
Alternate Names	OFOX1; Alpha-ketoglutarate-dependent dioxygenase alkB homolog 5; Alkylated DNA repair protein alkB homolog 5; ABH5; OFOX1; EC 1.14.11.-; RNA demethylase ALKBH5

### Application Instructions

Application table	Application	Dilution
	FACS	1:25
	WB	1:500
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	

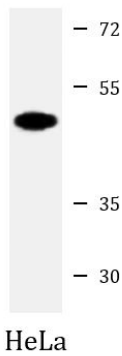
### Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

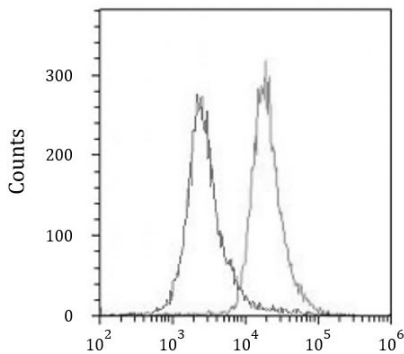
Gene Symbol	ALKBH5
Gene Full Name	AlkB family member 5, RNA demethylase
Function	Dioxygenase that demethylates RNA by oxidative demethylation: specifically demethylates N(6)-methyladenosine (m6A) RNA, the most prevalent internal modification of messenger RNA (mRNA) in higher eukaryotes. Can also demethylate N(6)-methyladenosine in single-stranded DNA (in vitro). Requires molecular oxygen, alpha-ketoglutarate and iron. Demethylation of m6A mRNA affects mRNA processing and export. Required for spermatogenesis (By similarity). [UniProt]
Highlight	Related news: <a href="#">m6A reader YTHDF2 in mRNA decay and aggresome formation;</a>
Calculated Mw	44 kDa
Cellular Localization	Nucleus speckle. [UniProt]

Images



ARG40178 anti-ALKBH5 antibody WB image

Western blot: 20 µg of HeLa cell lysate stained with ARG40178 anti-ALKBH5 antibody.



ARG40178 anti-ALKBH5 antibody FACS image

Flow Cytometry: U-2 OS cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% BSA to block non-specific protein-protein interactions followed by ARG40178 anti-ALKBH5 antibody (right histogram) at 1:25 dilution for 60 min at 37°C, followed by incubation with DyLight® 488 labelled secondary antibody. Isotype control antibody (left histogram) was Rabbit IgG1 at 1 µg/10<sup>6</sup> cells used under the same conditions. Acquisition of > 10000 events was performed.