

## ALKBH5 antibody

### Product Information

Catalog No.:	FNab00314
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

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(PubMed:23177736, PubMed:24778178, PubMed:24616105, PubMed:24489119). Can also demethylate N(6)-methyladenosine in single-stranded DNA(in vitro)(PubMed:24616105). Requires molecular oxygen, alpha-ketoglutarate and iron(PubMed:21264265, PubMed:23177736, PubMed:24778178, PubMed:24616105, PubMed:24489119). Demethylation of m6A mRNA affects mRNA processing and export(PubMed:23177736). Required for spermatogenesis(By similarity).

### Immunogen information

Immunogen:	alkB, alkylation repair homolog 5(E. coli)
Synonyms:	RNA demethylase ALKBH5 Alkylated DNA repair protein alkB homolog 5 Alpha-ketoglutarate-dependent dioxygenase alkB homolog 5 ALKBH5 ABH5 OFOX1
Observed MW:	51 kDa
Uniprot ID :	Q6P6C2

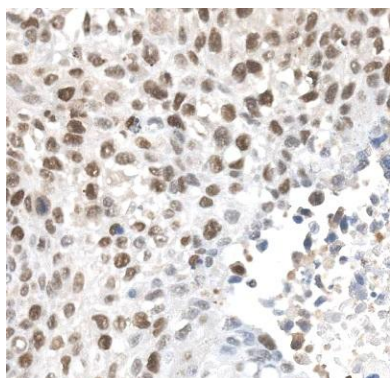
### Application

Reactivity:	Human, Mouse, Rat
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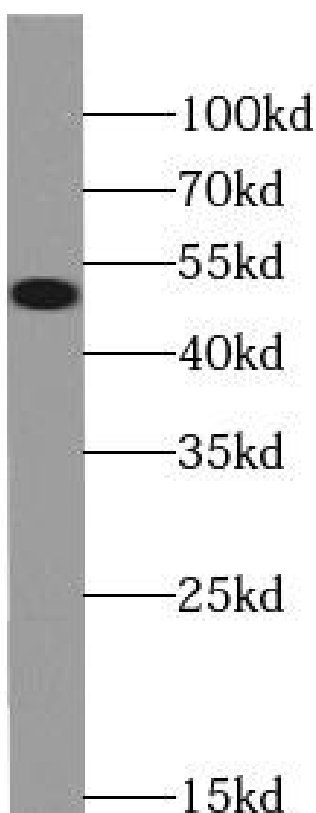
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:200-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human lung cancer using FNaB00314(ALKBH5 antibody) at dilution of 1:100



HeLa cells were subjected to SDS PAGE followed by western blot with FNaB00314(ALKBH5 antibody) at dilution of 1:500