
Product Name: ALKBH5 Rabbit Monoclonal Antibody**Catalog #: AMRe87757**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	2.2mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:2000
Molecular Weight	Calculated MW:44 kDa; Observed MW:44-48 kDa

Antigen Information

Gene Name	ALKBH5
Alternative Names	ABH5; OFOXD; OFOXD1
Gene ID	54890
SwissProt ID	Q6P6C2
Immunogen	Recombinant protein of human ALKBH5

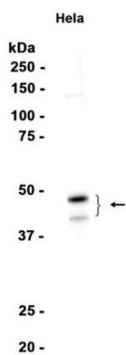
Background

Dioxygenase that demethylates RNA by oxidative demethylation: specifically demethylates N6-methyladenosine (m6A) RNA, the most prevalent internal modification of messenger RNA (mRNA) in higher eukaryotes (PubMed:23177736,

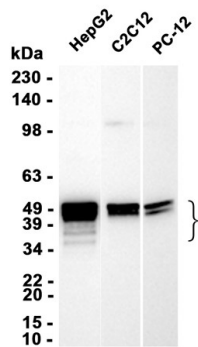
PubMed:24778178, PubMed:24616105, PubMed:24489119). Can also demethylate N6-methyladenosine in single-stranded DNA (in vitro) (PubMed:24616105). Requires molecular oxygen, alpha-ketoglutarate and iron (PubMed:21264265, PubMed:23177736, PubMed:24778178, PubMed:24616105, PubMed:24489119). Demethylation of m6A mRNA affects mRNA processing and export (PubMed:23177736). Required for spermatogenesis (By similarity).

Research Area

Image Data



Western blot analysis of extracts from HeLa cells using ALKBH5 Rabbit Monoclonal Antibody at 1:1000.



Western blot analysis of extracts from HepG2 , C2C12 , PC-12 cells using AMRe87757 at 1:1000.