

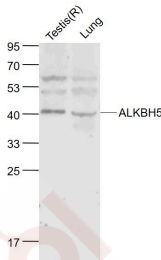
Anti-ALKBH5 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Cow,Rabbit)
Molecular Weight:	Theoretical: 44 kDa. Actual: 40 kDa.
Purification:	Protein A purified

Applications

Sample:	Testis (Rat) Lysate at 40 µg Lung (Mouse) Lysate at 40 µg
Verified Activity:	Primary: Anti-ALKBH5 (TMAB-00096) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35-44 kDa Observed band size: 40 kDa



Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human ALKBH5
Antigen Species:	Human
Gene ID:	54890
Uniprot ID:	Q6P6C2
Synonyms:	RNA demethylase ALKBH5;ALKBH5;Alkylated DNA repair protein alkB homolog 5;OFOX1; Alpha-ketoglutarate-dependent dioxygenase alkB homolog 5;ABH5
Biology Area:	DNA Damage Response

Research 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. Requires

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molecular oxygen, alpha-ketoglutarate and iron. Demethylation of m6A mRNA affects mRNA processing and export and is required for spermatogenesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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