

DATASHEET

ALKBH5 Rabbit Polyclonal Antibody

CAT. NO. APA15050

KEY FEATURES

Target	ALKBH5	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Dioxygenase that specifically demethylates N(6)-methyladenosine (m6A) RNA, the most prevalent internal modification of messenger RNA (mRNA) in higher eukaryotes . Demethylates RNA by oxidative demethylation, which requires molecular oxygen, alpha-ketoglutarate and iron . Demethylation of m6A mRNA affects mRNA processing, translation and export . Can also demethylate N(6)-methyladenosine in single-stranded DNA (in vitro) .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

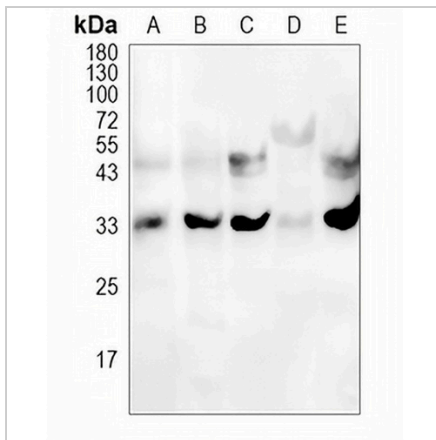
Description	Rabbit polyclonal antibody to ALKBH5
Specificity	Recognizes endogenous levels of ALKBH5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ALKBH5. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 43; Observed: 44; 35 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ABH5; OFOXD1; RNA demethylase ALKBH5; Alkylated DNA repair protein alkB homolog 5; Alpha-ketoglutarate-dependent dioxygenase alkB homolog 5
Gene Symbol	ALKBH5
Entrez Gene	54890(Human)
SwissProt	Q6P6C2(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of ALKBH5 expression in U251 (A), mouse lung (B), mouse brain (C), rat lung (D), rat brain (E) whole cell lysates. (Predicted band size: 43; 44; 52 kD; Observed band size: 44; 35 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.