

DATASHEET

ALKB Rabbit Polyclonal Antibody

CAT. NO. APA12834

KEY FEATURES

Target	ALKB	Source / Host	Rabbit
Reactivity	Human	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 acts on nucleic acids, such as DNA and tRNA . Requires molecular oxygen, alpha-ketoglutarate and iron . A number of activities have been described for this dioxygenase, but recent results suggest that it mainly acts on tRNAs and mediates their demethylation or oxidation depending on the context and subcellular compartment . Mainly acts as a tRNA demethylase by removing N(1)-methyladenine from various tRNAs, with a preference for N(1)-methyladenine at position 58 (m1A58) present on a stem loop structure of tRNAs .

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

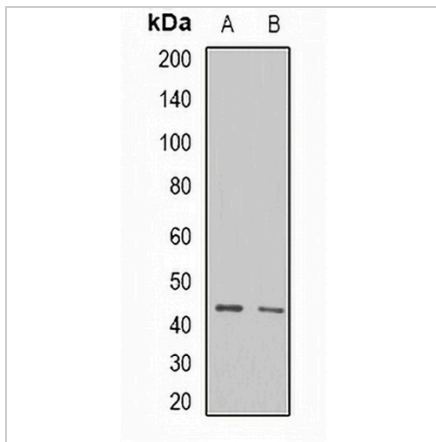
Description	Rabbit polyclonal antibody to ALKB
Specificity	Recognizes endogenous levels of ALKB protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ALKB
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 43 kD; Observed: 43 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	ABH; ABH1; ALKBH; Alkylated DNA repair protein alkB homolog 1; Alpha-ketoglutarate-dependent dioxygenase ABH1; DNA lyase ABH1; DNA oxidative demethylase ALKBH1
Gene Symbol	ALKBH1
Entrez Gene	8846(Human)
SwissProt	Q13686(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 ALKB expression in HT29 (A), MCF7 (B) whole cell lysates.
(Predicted band size: 43 kD; Observed band size: 43 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.