

**DATASHEET**

**ALKBH4 Rabbit Polyclonal Antibody**

CAT. NO. APA15049

**KEY FEATURES**

Target	ALKBH4	Source / Host	Rabbit
Reactivity	Human, Mouse	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 mediates demethylation of actin monomethylated at 'Lys-84' (K84me1), thereby acting as a regulator of actomyosin-processes, thereby acting as a regulator of actomyosin-processes. Demethylation of actin K84me1 is required for maintaining actomyosin dynamics supporting normal cleavage furrow ingression during cytokinesis and cell migration. In addition to proteins, also demethylates DNA: specifically demethylates DNA methylated on the 6th position of adenine (N(6)-methyladenosine) DNA, thereby regulating Polycomb silencing.

**APPLICATION**

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

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

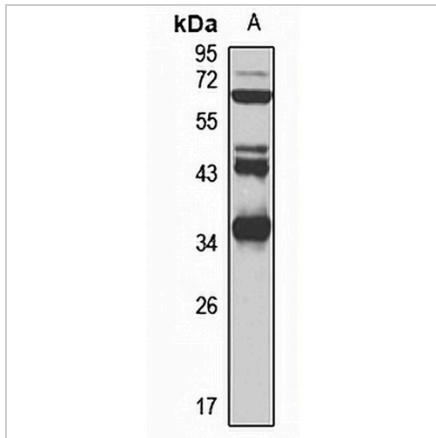
Description	Rabbit polyclonal antibody to ALKBH4
Specificity	Recognizes endogenous levels of ALKBH4 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ALKBH4. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 4; Observed: 36 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	ABH4; Alpha-ketoglutarate-dependent dioxygenase alkB homolog 4; Alkylated DNA repair protein alkB homolog 4
Gene Symbol	ALKBH4
Entrez Gene	54784(Human); 72041(Mouse)
SwissProt	Q9NXW9(Human); Q9D8F1(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto: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 ALKBH4 expression in MCF7 (A) whole cell lysates. (Predicted band size: 4; 33 kD; Observed band size: 36 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.