

**DATASHEET**

**ALKBH5 (Phospho-S252) Rabbit Polyclonal Antibody**

CAT. NO. APA11856

**KEY FEATURES**

Target	ALKBH5 (Phospho-S252)	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 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 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

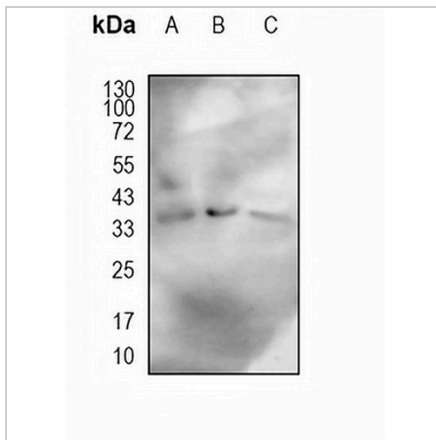
Description	Rabbit polyclonal antibody to ALKBH5 (Phospho-S252)
Specificity	Recognizes endogenous levels of ALKBH5 protein only when phosphorylated at S252
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S252 of human ALKBH5. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 44 kD; Observed: 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; OFOX1; RNA demethylase ALKBH5; Alkylated DNA repair protein alkB homolog 5; Alpha-ketoglutarate-dependent dioxygenase alkB homolog 5
Gene Symbol	ALKBH5
Entrez Gene	54890(Human); 268420(Mouse)
SwissProt	Q6P6C2(Human); Q3TSG4(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 ALKBH5 (Phospho-S252) expression in HeLa (A), U251 (B), mouse muscle (C) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 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.