



Product datasheet

Anti-ALKBH4 antibody ab234802

2 Images

Overview

Product name	Anti-ALKBH4 antibody
Description	Rabbit polyclonal to ALKBH4
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment corresponding to Human ALKBH4 aa 1-150. Database link: Q9NXW9
	<div>  Run BLAST with </div> <div>  Run BLAST with </div>
Positive control	WB: Mouse spleen, lung and kidney lysates. ICC/IF: HepG2 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein G purified
Purification notes	Purity >95%
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab234802 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/5000. Predicted molecular weight: 34 kDa.
ICC/IF		1/50 - 1/200.

Target

Function

Dioxygenase that mediates demethylation of actin monomethylated at 'Lys-84' (K84me1), 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. May be involved in transcription regulation.

Tissue specificity

Widely expressed, with highest expression in pancreas, ovary and spleen.

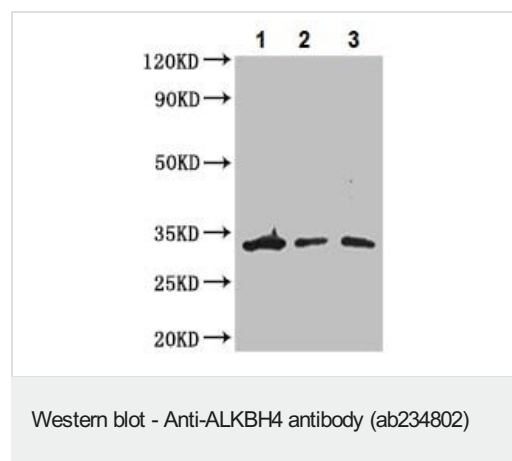
Sequence similarities

Belongs to the alkB family.

Cellular localization

Cytoplasm. Nucleus. Midbody. Associates with the contractile ring and midbody.

Images



All lanes : Anti-ALKBH4 antibody (ab234802) at 1/2000 dilution

Lane 1 : Mouse spleen lysate

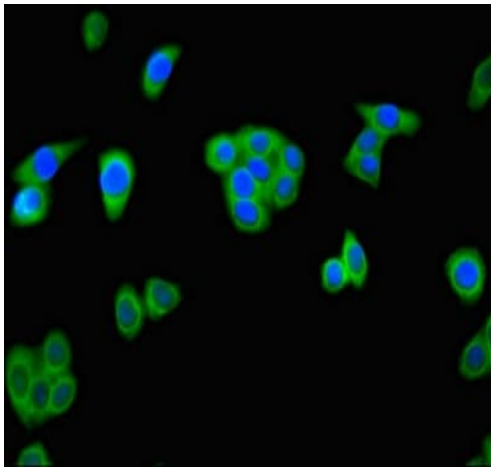
Lane 2 : Mouse lung lysate

Lane 3 : Mouse kidney lysate

Secondary

All lanes : Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 34 kDa



Immunocytochemistry/ Immunofluorescence - Anti-ALKBH4 antibody (ab234802)

HepG2 (Human liver hepatocellular carcinoma cell line) cells stained for ALKBH4 (green) using ab234802 at 1/100 dilution in ICC/IF, followed by an Alexa-Fluor 488[®] conjugated Goat Anti-Rabbit IgG (H+L).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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