

Product datasheet

Anti-ALKBH2 antibody [EPR6177(2)] ab154859

Recombinant RabMAb

[1 References](#) [4 Images](#)

Overview

Product name	Anti-ALKBH2 antibody [EPR6177(2)]
Description	Rabbit monoclonal [EPR6177(2)] to ALKBH2
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human ALKBH2. Database link: Q6NS38
Positive control	Human fetal brain, Human testis, 293T, Mouse brain, Mouse heart, Rat brain, Rat heart Jurkat and HeLa lysates;
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6177(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab154859 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		1/1000 - 1/10000. Predicted molecular weight: 29 kDa.

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

Target

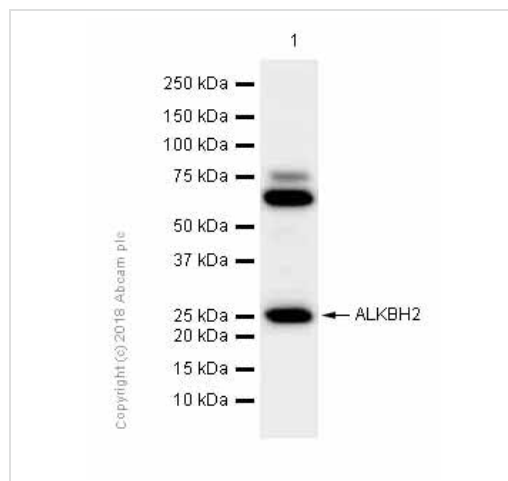
Function Dioxygenase that repairs alkylated DNA and RNA containing 1-methyladenine and 3-methylcytosine by oxidative demethylation. Can also repair alkylated DNA containing 1-ethenoadenine (in vitro). Has strong preference for double-stranded DNA. Has low efficiency with single-stranded substrates. Requires molecular oxygen, alpha-ketoglutarate and iron.

Tissue specificity Detected in colon, small intestine, ovary, testis, prostate, skeletal muscle, heart, liver and urinary bladder.

Sequence similarities Belongs to the alkB family.
Contains 1 Fe2OG dioxygenase domain.

Cellular localization Nucleus. Detected in replication foci during S-phase.

Images



Western blot - Anti-ALKBH2 antibody [EPR6177(2)]
(ab154859)

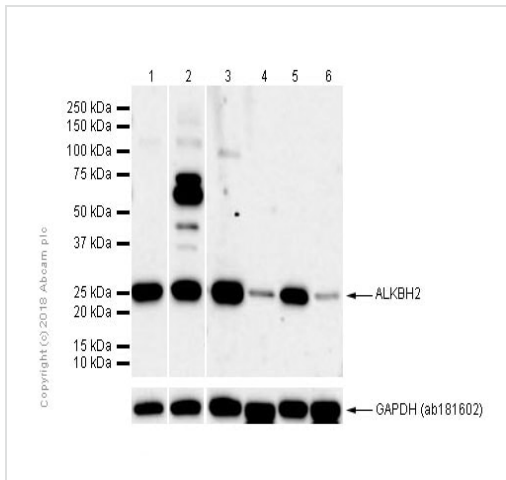
Anti-ALKBH2 antibody [EPR6177(2)] (ab154859) at 1/1000 dilution
(Purified) + HeLa (Human cervix adenocarcinoma epithelial cell)
whole cell lysates at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 29 kDa

Observed band size: 25 kDa



Western blot - Anti-ALKBH2 antibody [EPR6177(2)] (ab154859)

All lanes : Anti-ALKBH2 antibody [EPR6177(2)] (ab154859) at 1/1000 dilution (Purified)

Lane 1 : Human fetal brain lysates

Lane 2 : 293T (Human embryonic kidney epithelial cell) whole cell lysates

Lane 3 : Mouse brain lysates

Lane 4 : Mouse heart lysates

Lane 5 : Rat brain lysates

Lane 6 : Rat heart lysates

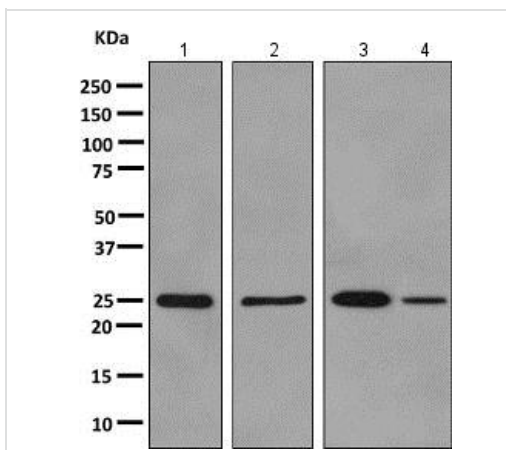
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 29 kDa

Observed band size: 25 kDa



Western blot - Anti-ALKBH2 antibody [EPR6177(2)] (ab154859)

All lanes : Anti-ALKBH2 antibody [EPR6177(2)] (ab154859) at 1/1000 dilution

Lanes 1 & 3 : Human fetal brain tissue lysate

Lane 2 : Human testis tissue lysate

Lane 4 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 29 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-ALKBH2 antibody [EPR6177(2)] (ab154859)

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

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