

Product datasheet

Anti-ALKBH2 antibody [EPR6177(2)] ab154859

Recombinant **RabMAb**

[3 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

Previously labelled as ABH2.

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

This product is a [recombinant rabbit monoclonal antibody](#).

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, 0.05% BSA
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR6177(2)
Isotype	IgG

Applications

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

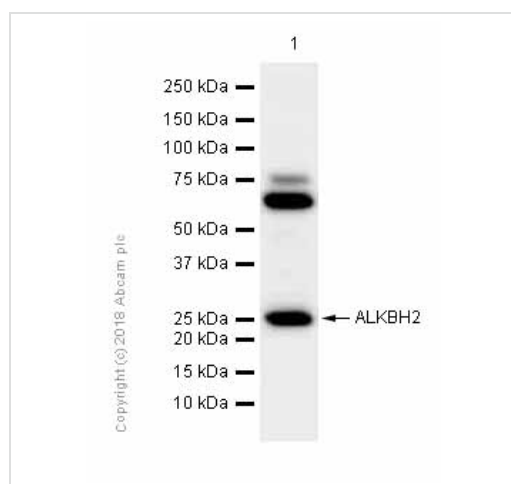
Function Dioxygenase that repairs alkylated DNA and RNA containing 1-methyladenine and 3-methylcytosine by oxidative demethylation. Can also repair alkylated DNA containing 1-ethenoadenine (in vitro). Has strong preference for double-stranded DNA. Has low efficiency with single-stranded substrates. Requires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



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

Secondary

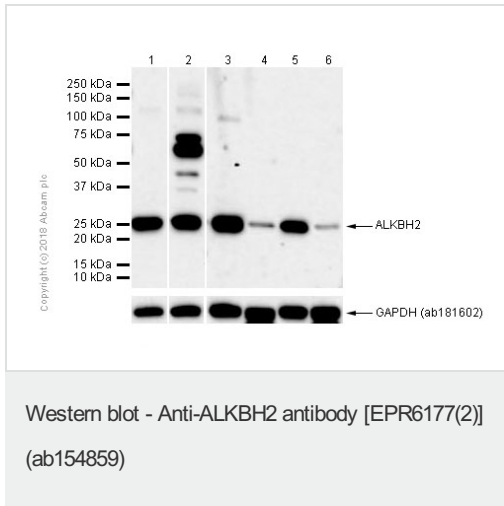
Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 29 kDa

Observed band size: 25 kDa

[why is the actual band size different from the predicted?](#)

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

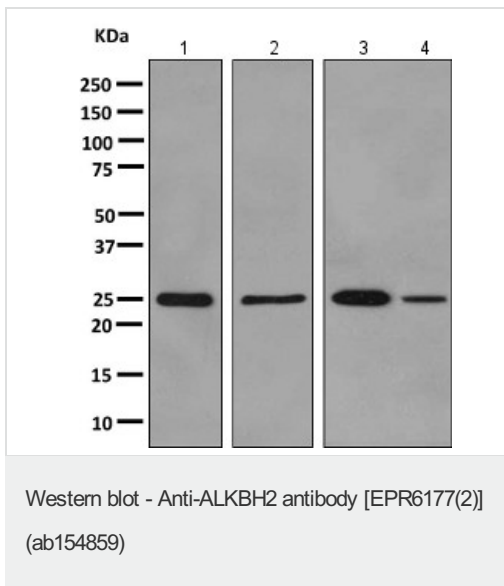
Lysates/proteins at 20 µg per lane.

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 [why is the actual band size different from the predicted?](#)



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

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors