abcam

Product datasheet

Anti-EZH1 antibody - N-terminal ab176115

1 Abreviews 4 References 1 Image

Overview

Product name	Anti-EZH1 antibody - N-terminal
Description	Rabbit polyclonal to EZH1 - N-terminal
Host species	Rabbit
Specificity	Multiple isoforms of EZH1 are known to exist. EZH1 ab176115 is predicted to not cross-react with EZH2
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse
Immunogen	Synthetic peptide within Human EZH1 aa 180-230 (N terminal). The exact sequence is proprietary. Database link: **Q92800**
Positive control	WB: Mouse lung tissue lysate.
General notes	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. 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

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: 7.2 Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Purification notes	ab176115 is affinity chromatography purified via peptide column.
Clonality	Polyclonal

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab176115 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)	Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 85 kDa.

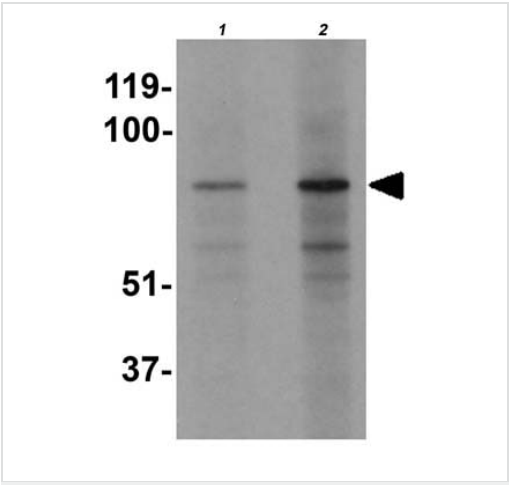
Target

Function Polycomb group (PcG) protein. Catalytic subunit of the PRC2/EED-EZH1 complex, which methylates 'Lys-27' of histone H3, leading to transcriptional repression of the affected target gene. Able to mono-, di- and trimethylate 'Lys-27' of histone H3 to form H3K27me1, H3K27me2 and H3K27me3, respectively. Required for embryonic stem cell derivation and self-renewal, suggesting that it is involved in safeguarding embryonic stem cell identity. Compared to EZH1-containing complexes, it is less abundant in embryonic stem cells, has weak methyltransferase activity and plays a less critical role in forming H3K27me3, which is required for embryonic stem cell identity and proper differentiation.

Sequence similarities Belongs to the histone-lysine methyltransferase family. EZ subfamily.
Contains 1 SET domain.

Cellular localization Nucleus. Colocalizes with trimethylated 'Lys-27' of histone H3.

Images



Western blot - Anti-EZH1 antibody - N-terminal (ab176115)

Lane 1 : Anti-EZH1 antibody - N-terminal (ab176115) at 1 µg/ml
Lane 2 : Anti-EZH1 antibody - N-terminal (ab176115) at 2 µg/ml

All lanes : mouse lung tissue lysate

Lysates/proteins at 15 µg per lane.

Developed using the ECL technique.

Predicted band size: 85 kDa

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