

EZH1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11117**Specification**

EZH1 Antibody - Product Information

Application	WB
Primary Accession	O92800
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	85271

EZH1 Antibody - Additional Information**Gene ID** 2145**Positive Control****Western blot: Mouse spleen lysate, human spleen lysate****Application & Usage****Western blot: 1-2 µg/ml. However, the optimal conditions should be determined individually.****Other Names**

Enhancer of zeste homolog 1 (Drosophila), ENX-2, ENX2, EZH1, Histone-lysine N-methyltransferase EZH1, KIAA0388

Target/Specificity

EZH1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

50 µg of antibody in 100 µl PBS containing 0.05% BSA and 0.05% sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

EZH1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

EZH1 Antibody - Protein Information

Name EZH1

Synonyms KIAA0388

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 EZH2-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.

Cellular Location

Nucleus. Note=Colocalizes with trimethylated 'Lys-27' of histone H3

EZH1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EZH1 Antibody - Images

EZH1 Antibody - Background

EZH1 is a human homolog of the Drosophila gene Enhancer of zeste E(z), a member of the polycomb group of transcriptional repressors. In mice, EZH1 is a regulator of homeotic gene expression implicated in the assembly of repressive protein complexes in chromatin. The strong sequence conservation between species suggests potential role for EZH1 in human development as a transcriptional regulator and as a component of protein complexes that stably maintain heterochromatin.