

Anti-EZH1 Antibody

Catalog # AP95824

Product Information

Application	WB, FC
Primary Accession	Q92800
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	85271

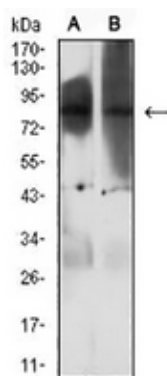
Additional Information

Gene ID	2145
Other Names	KIAA0388; Histone-lysine N-methyltransferase EZH1; ENX-2; Enhancer of zeste homolog 1
Target/Specificity	Recombinant fusion protein of human EZH1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

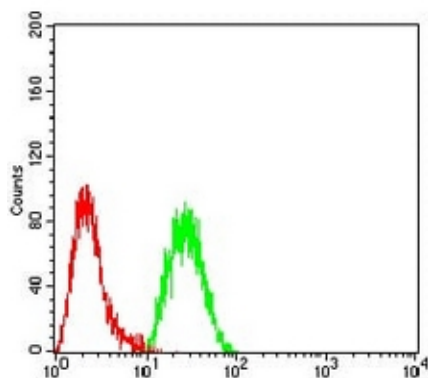
Protein Information

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

Images



Western blot analysis of EZH1 expression in HepG2 (A), HeLa (B) whole cell lysates. (Predicted band size: 85 kD; Observed band size: 85 kD)



Flow cytometric analysis of HeLa cells using Anti-EZH1 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.