EZH2 Antibody

Catalog No: #25291

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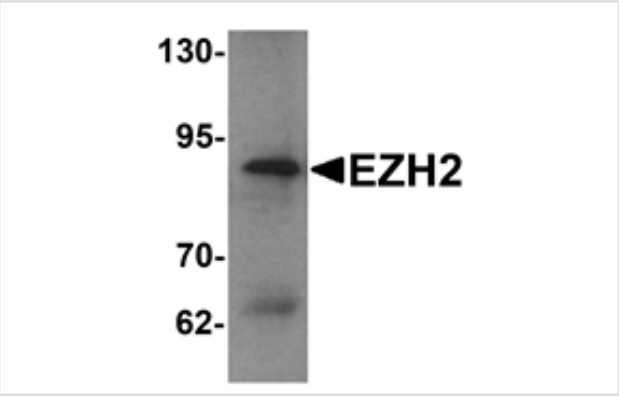
Description

Product Name	EZH2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms
Specificity	Multiple isoforms of EZH2 are known to exist. EZH2 antibody is predicted to not cross-react with EZH1.
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the amino terminus of human EZH2.
Target Name	EZH2
Other Names	Enhancer of zeste homolog 2, histone-lysine-N-methylase EZH2, KMT6A, ENX1
Accession No.	Swiss-Prot:Q15910Gene ID:2146
Uniprot	Q15910
GeneID	2146;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of EZH2 in 293 cell lysate with EZH2 antibody at 1 ug/mL.

Background

EZH2 was initially identified as a homolog of the drosophila Enhancer of Zeste through exon trap screening of chromosome 21. Both EZH2 and the related protein EZH1 can form complexes with the noncanonical Polycomb repressive complex-2 (PRC2) and maintain repressive chromatin, but the PRC2-EZH1 complex mediates methylation of histone H3. Both EZH1 and EZH2 are thought to function in the maintenance of embryonic stem cell pluripotency and plasticity and recently have been shown to be essential for hair follicle homeostasis and wound repair. Overexpression of EZH2 has been reported as a marker for advanced and metastatic cancers.

Note: This product is for in vitro research use only