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Product datasheet for TA336556

EZH2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 ug/ml
Reactivity:	Human, Mouse, Primate
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide made to an internal portion of the human KMT6/EZH2 protein (within residues 300-400). [Swiss-Prot# Q15910]
Formulation:	Tris-citrate/phosphate, pH 7, 0.1% Sodium azide. Store at 4C. Do not freeze.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	85 kDa
Gene Name:	enhancer of zeste 2 polycomb repressive complex 2 subunit
Database Link:	NP_004447 Entrez Gene 14056 MouseEntrez Gene 2146 Human Q15910

View online »

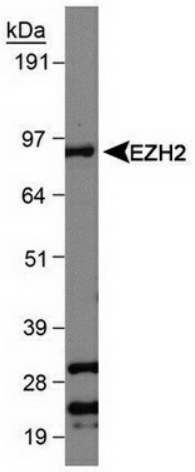
Background: EZH2 (histone methyltransferase enhancer of zeste homolog 2) is a member of polycomb group proteins, and together with embryonic ectoderm development protein and suppressor of Zeste (SUZ12), EZH2 forms the polycomb repressor complex 2 which plays an important role in variety of biological processes such as differentiation, maintainance of cellular identity and proliferation, and stem-cell plasticity. EZH2 contains histone methyltransferase activity and mediates transcriptional repression of target genes at chromatin level by catalyzing trimethylation of histone H3 lysine 27 (H3K27me3). EZH2 is overexpressed in cancers of diverse origins that includes hematologic malignancies, urothelial/esophageal carcinoma, glioma, renal cell carcinoma, NSCLC, and colorectal, breast and hepatic cancer. Moreover, high expression of EZH2 has been linked to aggressive tumor formation/poor prognosis and EZH2 contributes to the metastasis through the downregulation of E-cadherin by mediating histone H3 methylation. Accordingly, inhibition of EZH2 expression results in significantly decreased cell proliferation and increased G2-M arrest.

Synonyms: ENX-1; ENX1; EZH1; EZH2b; KMT6; KMT6A; WVS; WVS2

Note: This KMT6/EZH2 antibody is useful for Western blot, where a band is seen ~ 85 kDa.

Protein Families: Druggable Genome, Transcription Factors

Product images:



Western Blot: KMT6/EZH2 Antibody TA336556 - Detection of E2H2 in Jurkat whole cell lysate using TA336556.