

EZH1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP2511c

Product Information

Application WB, IHC-P, E **Primary Accession** Q92800 **Other Accession** A7E2Z2 Reactivity Human **Predicted** Bovine Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB2919-2920 393-422 **Antigen Region**

Additional Information

Other Names Histone-lysine N-methyltransferase EZH1, ENX-2, Enhancer of zeste homolog

1, EZH1, KIAA0388

Target/Specificity This EZH1 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 393-422 amino acids from the Central

region of human EZH1.

Dilution WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation

followed by dialysis against PBS.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions EZH1 Antibody (Center) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Background

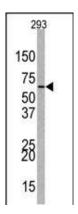
EZH1 encodes a protein of 747 amino acids that displays 55% amino acid identity overall with the Drosophila homolog.1 The strong sequence conservation suggested potential roles for EZH1 in human development as a transcriptional regulator and as a component of protein complexes that preserve heterochromatin stability. EZH1 is expressed as 2 major transcripts in all adult and fetal human tissues evaluated.. Analysis of

an EZH1 cDNA revealed an unusual splicing event involving EZH1 and a tandemly linked gene GPR2 and suggested a potential mechanism for modifying the EZH1 protein in the conserved C-terminal domain. The GPR2 gene maps to 17q21.1-q21.3 in the vicinity of the BRCA1 gene.

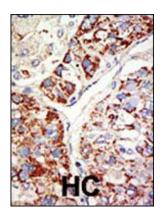
References

Ogawa, M., et al., Biochim. Biophys. Acta 1395(2):151-158 (1998). Abel, K.J., et al., Genomics 37(2):161-171 (1996). Friedman, L.S., et al., Genomics 25(1):256-263 (1995). Osborne-Lawrence, S., et al., Genomics 25(1):248-255 (1995). Brody, L.C., et al., Genomics 25(1):238-247 (1995).

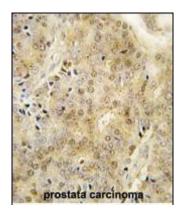
Images



Western blot analysis of anti-EZH1 Antibody (Center) (Cat.#AP2511c) in 293 cell line lysates (35ug/lane). EZH1(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with EZH1 Antibody (Center) (Cat.#AP2511c), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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