Datasheet for ABIN968906

anti-EZH2 antibody (AA 156-256)

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Overview

Quantity:	50 µg
Target:	EZH2
Binding Specificity:	AA 156-256
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EZH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human EZH2 recombinant protein aa. 156-256
Clone:	11-EZH2
Isotype:	IgG1
Cross-Reactivity:	Dog (Canine), Rat (Rattus), Mouse (Murine), Chicken
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Source of all serum proteins is from USDA inspected abattoirs located in the United States. 4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

	chromatography.

Target Details

Target:	EZH2
Alternative Name:	EZH2 (EZH2 Products)
Background:	The Polycomb group (PcG) of gene products are essential for the maintenance, but not initiation, of the transcriptionally repressed state of development genes. Those genes encode a structurally diverse group of proteins with conserved functions from flies to human cells and from complexes as a result of mutual associations ultimately influencing gene expression. EZH2 is a human homologue of Drosophil's Enhancer of Zeste gene, an important regulator of homeobox gene expression. The expression of EZH2 was seen in follicular T cells and at different stages during T-cell differentiation. Additionally, in lymphocytes, EZH2 interacts with the signal transduction protein Vav and is highly expressed in a variety of tumors such as lymphoma and prostate. The predicted molecular weight for this protein is approximately 85 kDa (SwissProt:Q15910).
Molecular Weight:	91 kDa
Pathways:	Retinoic Acid Receptor Signaling Pathway, Regulation of Muscle Cell Differentiation

Application Details

Comment:	Related Products: ABIN968537, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20°C.

Publications

Product cited in:

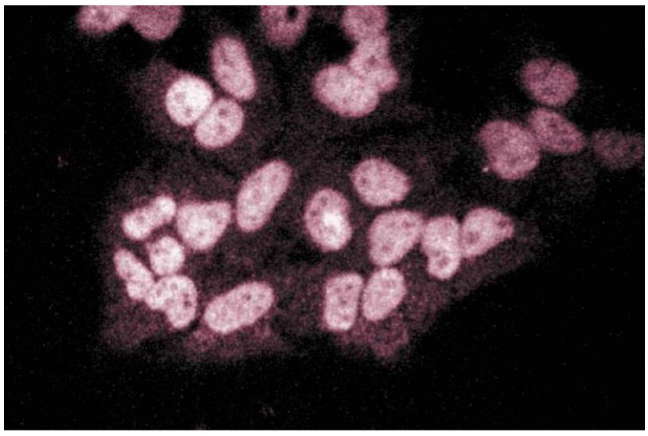
Raaphorst, Otte, van Kemenade, Blokzijl, Fieret, Hamer, Satijn, Meijer: "Distinct BMI-1 and EZH2 expression patterns in thymocytes and mature T cells suggest a role for Polycomb genes in human T cell differentiation." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 166, Issue 10, pp. 5925-34, (2001) (PubMed).

van Kemenade, Raaphorst, Blokzijl, Fieret, Hamer, Satijn, Otte, Meijer: "Coexpression of BMI-1 and EZH2 polycomb-group proteins is associated with cycling cells and degree of malignancy in B-cell non-Hodgkin lymphoma." in: **Blood**, Vol. 97, Issue 12, pp. 3896-901, (2001) (PubMed).

Images

Western Blotting

Image 1. Western blot analysis of EZH2 on Jurkat cell lysate. Lane 1:1000, lane 2:1:2000, lane 3: 4000 dilution of anti-EZH2.



Immunofluorescence

Image 2. Immunofluorescent staining of Hela cells.