Datasheet for ABIN3030808

anti-EZH2 antibody

5 Images

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Overview

Quantity:	0.4 mL
Target:	EZH2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EZH2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	This EZH2 antibody was produced from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human EZH2.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Primate, Xenopus
Purification:	Antigen affinity

Target Details

Target:	EZH2
Alternative Name:	EZH2 (EZH2 Products)
Background:	EZH2, SUZ12, and EED form a complex that methylates nucleosomal histone H3 at Lys27. EZH2 contains a SET domain, a signature motif for all known histone lysine methyltransferases except the H3-K79 methyltransferase DOT1, and is therefore likely to be the catalytic subunit.

Target Details

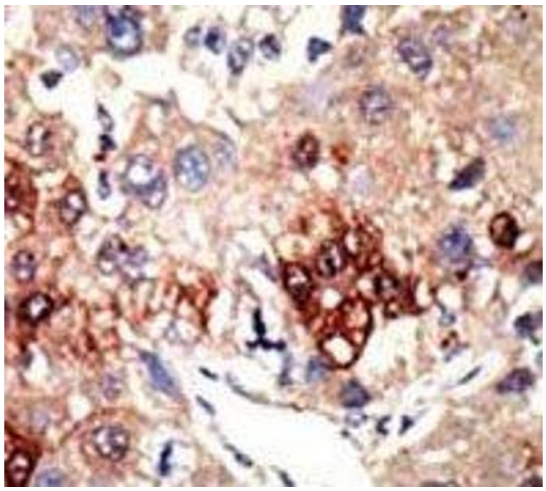
	Consequently, EZH2 is thought to regulate gene expression by controlling chromatin structure. Several lines of evidence suggested a critical role for the EZH2 protein during normal and perturbed development of the hematopoietic and central nervous systems. The EZH2 protein has been shown to associate with the VAV1 protooncoprotein and with the XNP protein, the product of a gene associated with mental retardation. Additionally, due to mapping of EZH2 to the 7q35-q36 chromosomal region associated with myeloid disorders, this protein is suggested to participate in the genetic events triggering myeloid leukemia.
UniProt:	Q15910
Pathways:	Retinoic Acid Receptor Signaling Pathway, Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Titration of the EZH2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

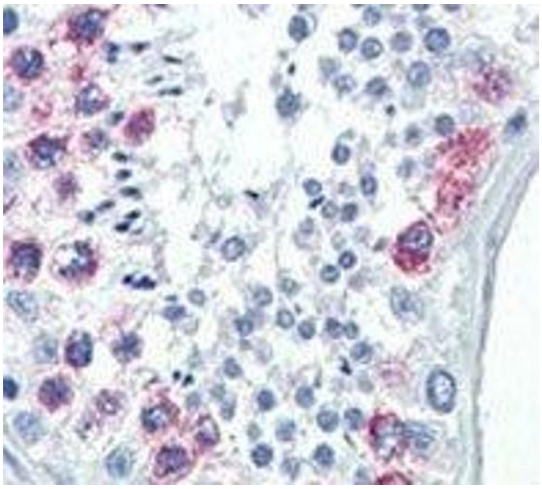
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 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:	Aliquot the EZH2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



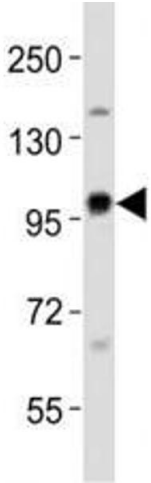
Immunohistochemistry

Image 1. IHC analysis of FFPE human hepatocarcinoma tissue stained with the EZH2 antibody



Immunohistochemistry

Image 2. IHC analysis of FFPE human testis tissue stained with EZH2 antibody



Western Blotting

Image 3. Western blot testing of EZH2 antibody at 1:1000 dilution + rat C6 lysate; Predicted size : 85-95 kDa.

Please check the product details page for more images. Overall 5 images are available for ABIN3030808.