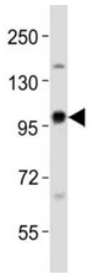
EZH2 Antibody (F53753)

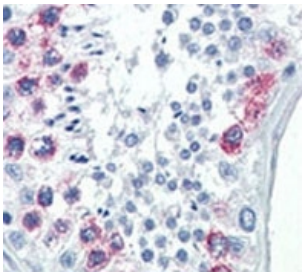
Catalog No.	Formulation	Size
F53753-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F53753-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

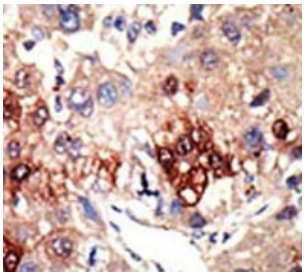
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Predicted Reactivity	Primate, Xenopus
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q15910
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This EZH2 antibody is available for research use only.



EZH2 Antibody Rat C6 Cell WB. Western blot testing of EZH2 antibody at 1:1000 dilution + rat C6 lysate; Predicted size : 85-95 kDa.



EZH2 Antibody Human Testis Tissue IHC. Immunohistochemistry analysis of FFPE human testis tissue stained with EZH2 antibody.



EZH2 Antibody Hepatocarcinoma IHC. Immunohistochemistry analysis of FFPE human hepatocarcinoma tissue stained with the EZH2 antibody.

Description

EZH2 Antibody detects EZH2. 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. 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.

For comprehensive detection of EZH2 in epigenetic regulation and PRC2 complex studies, see our EZH2 antibody (clone EZH2/2536).

Application Notes

Titration of the EZH2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This EZH2 antibody was produced from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human EZH2.

Storage

Aliquot the EZH2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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