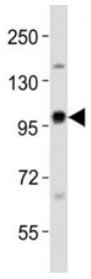
# EZH2 Antibody (F53753)

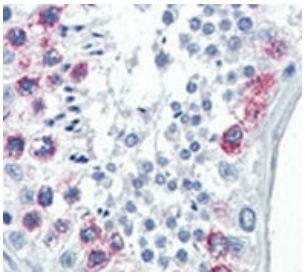
| Catalog No. | Formulation | Size |
|---|---|---|
| F53753-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F53753-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

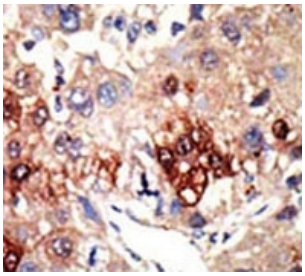
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Predicted Reactivity** | Primate, Xenopus |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity**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




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



IHC analysis of FFPE human testis tissue stained with EZH2 antibody



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

## Description

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.

## 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.