

## KMT6 / EZH2 Rabbit mAb

Catalog No: #49267

Package Size: #49267-1 50ul #49267-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

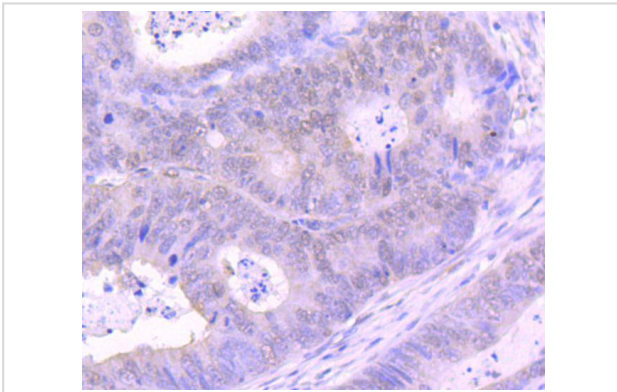
## Description

|                       |  |
|-----------------------|--|
| Product Name          | KMT6 / EZH2 Rabbit mAb   |
| Host Species          | Recombinant Rabbit   |
| Clonality             | Monoclonal antibody  |
| Clone No.             | JJ089-9  |
| Purification          | ProA affinity purified   |
| Applications          | WB, ICC/IF, IHC  |
| Species Reactivity    | Human;Mouse;Rat  |
| Immunogen Description | recombinant protein  |
| Conjugates            | Unconjugated   |
| Other Names           | Enhancer of zeste 2 antibody enhancer of zeste 2 polycomb repressive complex 2 subunit antibody Enhancer of zeste homolog 2 (Drosophila) antibody Enhancer of zeste homolog 2 antibody Enhancer of zeste, Drosophila, homolog 2 antibody ENX 1 antibody Enx 1h antibody ENX-1 antibody ENX1 antibody Enx1h antibody EZH 2 antibody EZH1 antibody EZH2 antibody EZH2_HUMAN antibody EZH2b antibody Histone-lysine N-methyltransferase EZH2 antibody KMT 6 antibody KMT6 antibody KMT6A antibody Lysine N-methyltransferase 6 antibody MGC9169 antibody WVS antibody WVS2 antibody |
| Accession No.         | Swiss-Prot#:Q15910   |
| Calculated MW         | 85 kDa   |
| SDS-PAGE MW           | 98 kDa   |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.   |
| Storage               | Store at -20°C   |

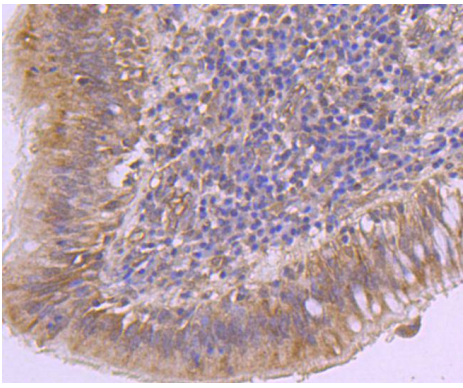
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:50-1:200

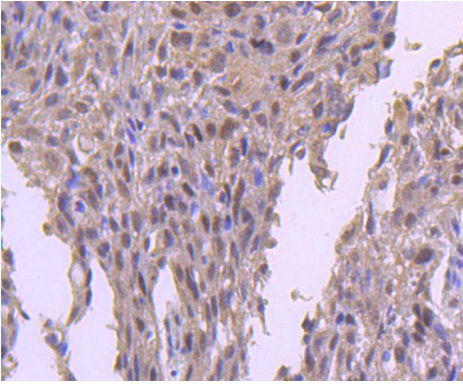
## Images



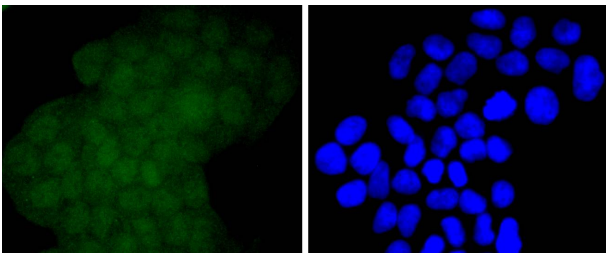
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-KMT6/EZH2 antibody. Counter stained with hematoxylin.



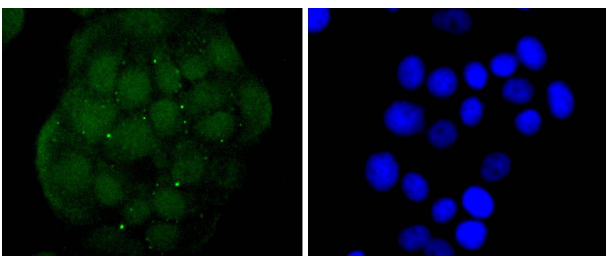
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-KMT6/EZH2 antibody. Counter stained with hematoxylin.



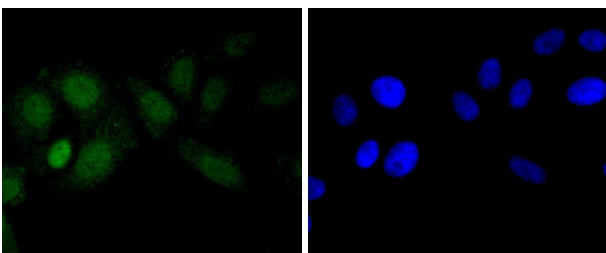
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-KMT6/EZH2 antibody. Counter stained with hematoxylin.



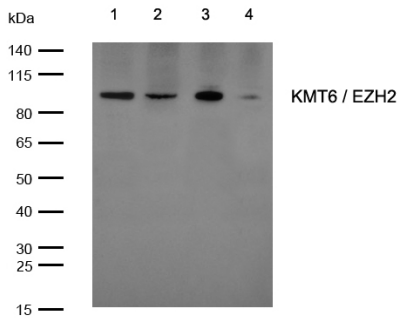
ICC staining KMT6/EZH2 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



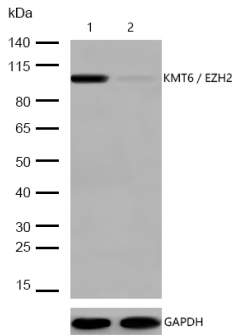
ICC staining KMT6/EZH2 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining KMT6/EZH2 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



All lanes: KMT6 / EZH2 Rabbit mAb at 1/1k dilution  
 Lane 1 : HeLa whole cell lysates  
 Lane 2 : JK whole cell lysates  
 Lane 3 : MCF-7 whole cell lysates  
 Lane 4 : HepG2 whole cell lysates  
 Lysates/proteins at 20 µg per lane.  
 Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution  
 Predicted band size: 85 kDa  
 Observed band size: 98 kDa  
 Exposure time: 5 seconds



All lanes: KMT6 / EZH2 Rabbit mAb at 1/1k dilution  
 Lane 1 : Wild-type HeLa cell lysate  
 Lane 2 : KMT6 / EZH2 Rabbit mAb knockdown HeLa cell lysate  
 Lysates/proteins at 20 µg per lane.

## Background

In *Drosophila*, the Polycomb (PcG) gene family encodes chromatin proteins that are required for the repression of homeotic loci in embryonic development. PcG proteins work in conjunction with the trithorax-group (trxG), which activate homeobox gene expression during embryonic development. ENX-1, a mammalian homolog of the *Drosophila* gene enhancer of zeste, is a PcG protein that is ubiquitously expressed during early embryogenesis and becomes restricted to the central and peripheral nervous systems and sites of fetal hematopoiesis during later development. In the adult, ENX-1 is restricted to specific sites, including spleen, testis and placenta. The gene encoding human ENX-1 transcribes a 746 amino acid polypeptide which contains a trithorax-like domain and a DNA-binding motif. ENX-1 interacts with the proto-oncogene product Vav and is thought to be involved in the proliferation of normal and malignant hematopoietic cells. By altering the regulation of target genes, ENX-1 may also contribute to certain phenotypes of Down syndrome.

## References

1. Fu TG et al. miR-143 inhibits oncogenic traits by degrading NUA2 in glioblastoma. *Int J Mol Med* 37:1627-35 (2016).
2. Choi HJ et al. Significance of EZH2 expression in canine mammary tumors. *BMC Vet Res* 12:164 (2016).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.