Product Datasheet

KMT6 / EZH2 Rabbit mAb

Catalog No: #49267

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

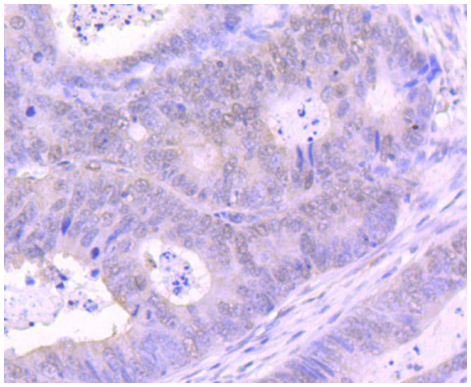
Description

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

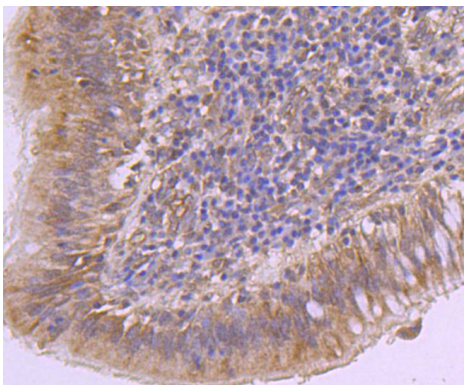
Application Details

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

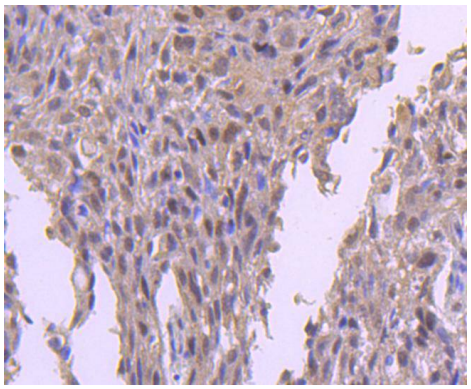
Images



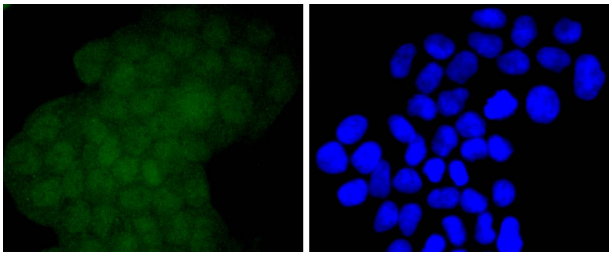
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-KMT6/EZH2 antibody. Counter stained with hematoxylin.



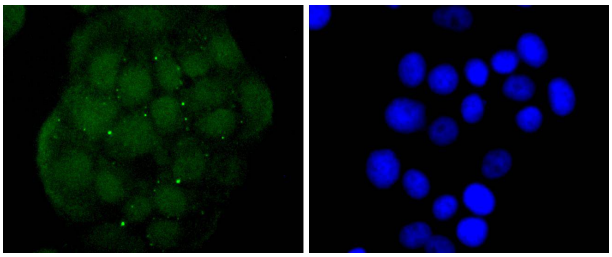
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-KMT6/EZH2 antibody. Counter stained with hematoxylin.



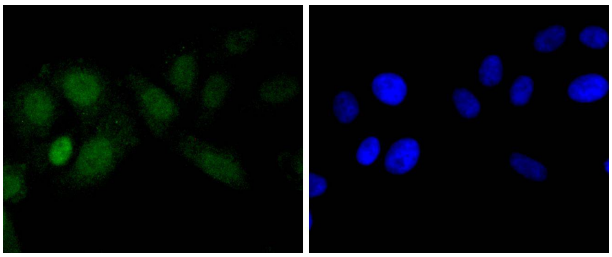
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-KMT6/EZH2 antibody. Counter stained with hematoxylin.



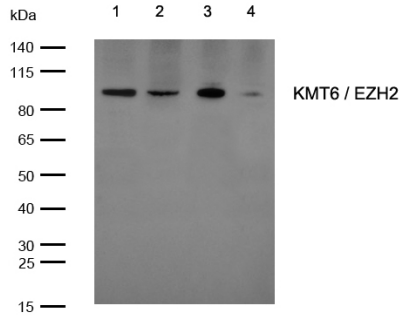
ICC staining KMT6/EZH2 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



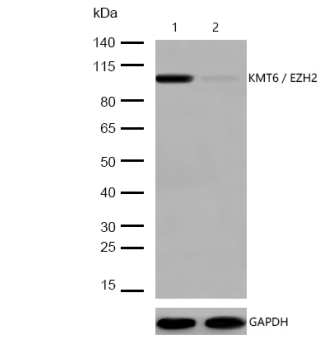
ICC staining KMT6/EZH2 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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 dilutionLane 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.SecondaryAll lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilutionPredicted band size: 85 kDa Observed band size: 98 kDaExposure time: 5 seconds



All lanes:KMT6 / EZH2 Rabbit mAb at 1/1k dilutionLane 1 : Wild-type Hela cell lysateLane 2 :KMT6 / EZH2 Rabbit mAb knockdown Hela cell lysateLysates/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 NUAK2 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.