



# Rabbit Anti-Human EZH2 monoclonal antibody, clone KK190-0 (CABT-L838)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	KMT6/EZH2
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	KK190-0
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC
<b>Molecular Weight</b>	86 kDa
<b>Cellular Localization</b>	Nucleus.
<b>Positive Control</b>	293, MCF-7, Hela, HepG2, 293T, human lung cancer tissue, human colon cancer tissue, human breast carcinoma tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## BACKGROUND

<b>Introduction</b>	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.
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<b>Keywords</b>	Enhancer of zeste 2;enhancer of zeste 2 polycomb repressive complex 2 subunit;Enhancer of zeste homolog 2 (Drosophila);Enhancer of zeste homolog 2;Enhancer of zeste, Drosophila, homolog 2;ENX 1;Enx 1h;ENX-1;ENX1;Enx1h;EZH 2;EZH1;EZH2;EZH2_HUMAN;EZH2b;Histone-lysine N-methyltransferase EZH2;KMT 6;KMT6;KMT6A;Lysine N-methyltransferase 6;MGC9169;WVS;WVS2 antibody
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## GENE INFORMATION

**Entrez Gene ID** [2146](#)

**UniProt ID** [Q15910](#)