



Ezh2 (phospho-Thr311) rabbit pAb

Catalog No	YP-Ab-10369
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	EZH2 KMT6
Immunogen	Synthesized phosho peptide around human Ezh2 (Thr311)
Specificity	This antibody detects endogenous levels of Human Ezh2 (phospho-Thr311)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.1.1.356;Enhancer of zeste homolog 2;ENX 1;ENX-1;EZH1;Ezh2;EZH2 KMT6;Ezh2 (Thr311);Histone-lysine N-methyltransferase EZH2 (EC 2.1.1.43) (ENX-1) (Enhancer of zeste homolog 2) (Lysine N-methyltransferase 6)
Observed Band	90102 kDa
Calculated Molecular Weight	751 aa, 86 kDa
Cell Pathway	Nucleus . Localizes to the inactive X chromosome in trophoblast stem cells. .
Tissue Specificity	In the ovary, expressed in primordial follicles and oocytes and also in external follicle cells (at protein level) (PubMed:31451685). Expressed in many tissues (PubMed:14532106). Overexpressed in numerous tumor types including carcinomas of the breast, colon, larynx, lymphoma and testis (PubMed:14532106).
Function	catalytic activity:S-adenosyl-L-methionine + histone L-lysine = S-adenosyl-L-homocysteine + histone N(6)-methyl-L-lysine.,caution:Two variants of the PRC2 complex have been described, termed PRC3 and PRC4. Each of the three complexes may include a different complement of EED isoforms, although the precise sequences of the isoforms in each complex have not been determined. The PRC2 and PRC4 complexes may also methylate 'Lys-26' of histone H1 in addition to 'Lys-27' of histone H3 (PubMed:15099518 and PubMed:15684044),



although other studies have demonstrated no methylation of 'Lys-26' of histone H1 by PRC2 (PubMed:16431907).,developmental stage:Expression decreases during senescence of embryonic fibroblasts (HEFs). Expression peaks at the G1/S phase boundary.,function:Polycomb group (PcG) protein. Catalytic subunit of the PRC2/EED-EZH2 complex, which methylates 'Lys-9' and 'Lys-27' of hist

Background

enhancer of zeste 2 polycomb repressive complex 2 subunit(EZH2) Homo sapiens This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This protein may play a role in the hematopoietic and central nervous systems. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Feb 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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