

**Ezh2 (Phospho Thr311) rabbit pAb**

<b>Catalog No :</b>	YP1332
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB
<b>Target :</b>	Ezh2
<b>Fields :</b>	>>Lysine degradation;>>Metabolic pathways;>>MicroRNAs in cancer
<b>Gene Name :</b>	EZH2 KMT6
<b>Protein Name :</b>	Ezh2 (Thr311)
<b>Human Gene Id :</b>	2146
<b>Human Swiss Prot No :</b>	Q15910
<b>Mouse Gene Id :</b>	14056
<b>Mouse Swiss Prot No :</b>	Q61188
<b>Immunogen :</b>	Synthesized phospho peptide around human Ezh2 (Thr311)
<b>Specificity :</b>	This antibody detects endogenous levels of Human Ezh2 (phospho-Thr311)
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

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**Observed Band :** 82kD

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**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],

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**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

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**Subcellular Location :** Nucleus . Localizes to the inactive X chromosome in trophoblast stem cells. .

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**Expression :** 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).

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