

Product datasheet for **TA590182**

EZH2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	WB: 1:5000-1:20000; ELISA: 1:100-1:2000; IHC: 1:10-1:2000; IHC-P 1:250-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the Middle Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	1.33mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	enhancer of zeste 2 polycomb repressive complex 2 subunit
Database Link:	NP_004447 Entrez Gene 2146 Human Q15910



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Background:

Enhancer of Zeste homolog 2 (Ezh2) is a methyltransferase that plays an important role in many biological processes through its ability to trimethylate lysine 27 in histone H3. It has been shown that Akt phosphorylates Ezh2 at serine 21 and suppresses its methyltransferase activity by impeding Ezh2 binding to histone H3, which results in a decrease of lysine 27 trimethylation and derepression of silenced genes (1). Ezh2 interacts specifically with Vav both in vitro and in vivo. ENX-1 represents the human homolog of the Drosophila Enhancer of zeste gene, a member of the Polycomb group of genes, which are transcriptional regulators of homeobox gene expression.(2). Ezh2 is an essential epigenetic regulator of embryonic development in mice, but its role in the adult organism is unknown. High expression of Ezh2 in developing murine lymphocytes suggests Ezh2 involvement in lymphopoiesis. Data suggest Ezh2-dependent histone H3 methylation as a novel regulatory mechanism controlling Igh rearrangement during early murine B cell development (3).

Synonyms:

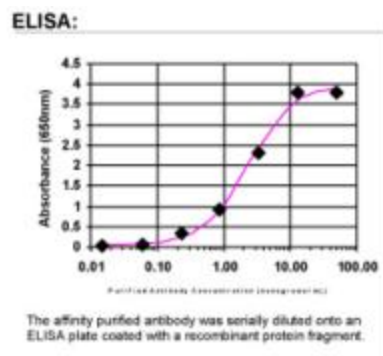
ENX-1; ENX1; EZH1; EZH2b; KMT6; KMT6A; WVS; WVS2

Note:

This antibody was generated by SDIX's Genomic Antibody Technology® (GAT).[Learn about GAT](#)

Protein Families:

Druggable Genome, Transcription Factors

Product images:

ELISA: KMT6 / EZH2 Antibody