

## Product datasheet for **TA347124**

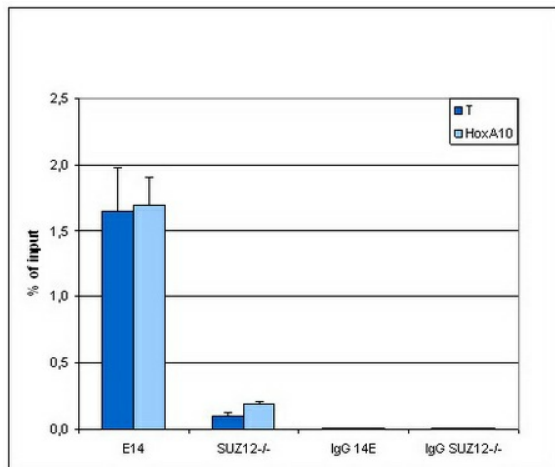
### EZH2 Mouse Monoclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	ChIP (2.5ug/ChIP)
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for anti-EZH2 antibody: the central part of the human EZH2 protein (Enhancer of zeste homolog 2)
Concentration:	lot specific
Purification:	Protein G purified polyclonal antibody in PBS containing 0.05% azide.
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:	<a href="#">NP_004447</a> <a href="#">Entrez Gene 14056 Mouse</a> <a href="#">Entrez Gene 2146 Human</a> <a href="#">Q15910</a>
Background:	EZH2 (UniProt/Swiss-Prot entry Q15910) is a histone-lysine methyltransferase which methylates 'Lys-9' and 'Lys-27' of histone H3, leading to transcriptional repression. It is a member of the polycomb group (PcG) family which form multimeric protein complexes and are involved in maintaining the transcriptional repressive state of genes over successive cell generations. The EZH2 activity is dependent on the association with other components of the PRC2 complex (EED, SUZ12/JJAZ1, RBBP4 and RBBP7). EZH2 may play a role in the hematopoietic and central nervous systems. Over-expression of EZH2 is observed during advanced stages of prostate cancer and breast cancer.
Synonyms:	ENX-1; ENX1; EZH1; EZH2b; KMT6; KMT6A; WVS; WVS2
Protein Families:	Druggable Genome, Transcription Factors



[View online »](#)

**Product images:**

ChIP assays were performed using 2.5 ug of the ab against EZH2 on sheared chromatin from 5 million E14 mouse embryonic stem and from SUZ12<sup>-/-</sup> cells, used as a negative control. IgG was used as negative IP control. Quantitative PCR was performed with primers specific for the HoxA10 gene and for the T gene which encodes the Brachyury transcription factor. Image shows the recovery, expressed as a % of input (the relative amount of IP'd DNA compared to input DNA after qPCR analysis).