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Anti-EED Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18600

Product Information

Application	WB, IHC-P
Primary Accession	O75530
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	50198

Additional Information

Gene ID	8726
Alias Symbol	EED
Other Names	EED, Embryonic ectoderm development, HEED, WAIT1, WAIT-1, Polycomb protein EED
Target/Specificity	Human EED
Reconstitution & Storage	Affinity purified
Precautions	Anti-EED Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	EED (HGNC:3188)
Function	Polycomb group (PcG) protein. Component of the PRC2/EED-EZH2 complex, which methylates 'Lys-9' and 'Lys-27' of histone H3, leading to transcriptional repression of the affected target gene. Also recognizes 'Lys-26' trimethylated histone H1 with the effect of inhibiting PRC2 complex methyltransferase activity on nucleosomal histone H3 'Lys-27', whereas H3 'Lys-27' recognition has the opposite effect, enabling the propagation of this repressive mark. The PRC2/EED- EZH2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems. Genes repressed by the PRC2/EED-EZH2 complex include HOXC8, HOXA9, MYT1 and CDKN2A.
Cellular Location	Nucleus. Chromosome. Note=Transiently colocalizes with XIST at inactive X chromosomes

Tissue Location	Expressed in brain, colon, heart, kidney, liver, lung, muscle, ovary, peripheral blood leukocytes, pancreas, placenta, prostate, spleen, small intestine, testis, thymus and uterus. Appears to be overexpressed in breast and colon cancer