

Anti-EED Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18600

Specification

Anti-EED Antibody - Product Information

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

Anti-EED Antibody - 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.

Anti-EED Antibody - 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

Anti-EED Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-EED Antibody - Images