

EED Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21267a

Specification

EED Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O75530
Reactivity	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	50198

EED Antibody (N-term) - Additional Information

Gene ID 8726

Other Names

Polycomb protein EED, hEED, WD protein associating with integrin cytoplasmic tails 1, WAIT-1, EED

Target/Specificity

This EED antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 38-72 amino acids from the N-terminal region of human EED.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

EED Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

EED Antibody (N-term) - 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

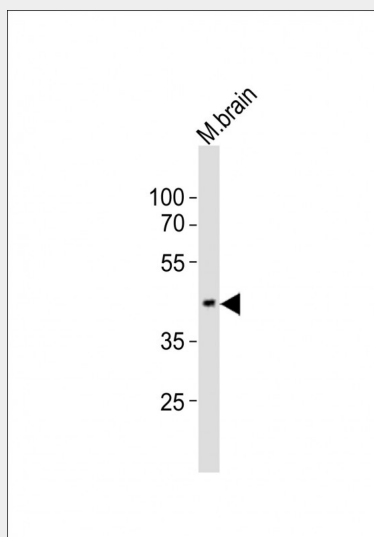
Expressed in brain, colon, heart, kidney, liver, lung, muscle, ovary, peripheral blood leukocytes, pancreas, placenta, prostate, spleen, small intestine, testis, thymus and uterus. Appears to be overexpressed in breast and colon cancer

EED Antibody (N-term) - 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](#)

EED Antibody (N-term) - Images



Anti-EED Antibody (N-term) at 1:1000 dilution + mouse brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

EED Antibody (N-term) - Background

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.

EED Antibody (N-term) - References

Schumacher A., et al. *Genomics* 54:79-88(1998).
Sewalt R.G.A.B., et al. *Mol. Cell. Biol.* 18:3586-3595(1998).
Peytavi R., et al. *J. Biol. Chem.* 274:1635-1645(1999).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
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