

Mouse anti-Human EED Antibody | anti-EED antibody

AbFlex EED antibody (rAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60263	Mouse	Human	ELISA, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

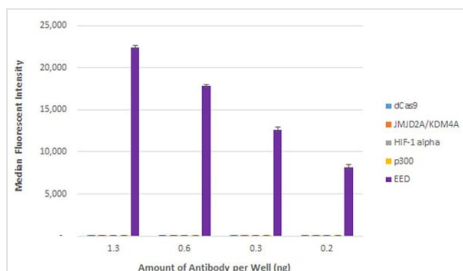
PRODUCT SYNONYMS

EED; AbFlex EED antibody (rAb); HEED; WAIT1; anti-EED antibody

PRODUCT SPECIFICATIONS

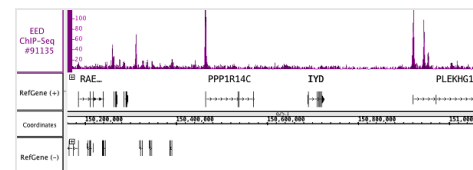
Host	Mouse
Reactivity	Human
Isotype	IgG2a
Purity/Purification	Ni-NTA
Form/Format	Purified IgG in 200mM Hepes pH7.5, 100mM NaCl, 50mM NaOAc, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-EED antibody	ELISA, ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Antibody Type	Recombinant Antibody
Immunogen	This EED antibody was raised against full-length recombinant human EED protein.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



Application Data

AbFlex EED antibody (rAb) tested by Luminex bead-based specificity analysis. Luminex bead-based specificity analysis was used to confirm the specificity of AbFlexTM EED antibody (rAb) for EED. Various proteins were conjugated to MagPlex Luminex beads and incubated with various amounts of AbFlexTM EED antibody (rAb). Protein-bound antibody was detected with anti-mouse IgG-Phycoerythrin and read in a Luminex instrument. Luminex is a registered trademark of Luminex Corporation.



ChIP (Chromatin Immunoprecipitation)

AbFlex EED Antibody (rAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with 30 ug chromatin from an acute large B-cell lymphoma cell line and 4 ug of EED antibody. ChIP DNA was sequenced on the Illumina HiSeq and 25 million sequence tags were mapped to identify EED binding sites. The image shows binding across a region of chromosome 6.

ADDITIONAL INFORMATION

Related Product Information for anti-EED antibody	Short Description: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. Our AbFlex EED antibody (rAb) was raised in a Mouse host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and ELISA; it has been shown to react with Human samples. Background: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. AbFlex EED antibody was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. EED (extraembryonic ectoderm) is a component of the Polycomb group (PcG) multiprotein complex PRC2. The PRC2 complex also contains EZH2 and SUZ12 and is recruited to Polycomb response elements and results in the methylation of histone H3 and lysine 27 and the silencing of gene expression. PRC2 initiates repression of the Hox genes during development and is involved in the maintenance of stem cell pluripotency. EED is a member of the superfamily of WD-40 repeat protein family and is required for PRC2-mediated H3K27 methylation. The PRC2 complex may also recruit platform DNMTs, thereby linking two systems of epigenetic repression.
Product Categories/Family for anti-EED antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	24041020
NCBI GeneID	8726
NCBI Accession #	NP_003788; AB_2793786
NCBI GenBank Nucleotide #	NM_003797.3
UniProt Accession #	O75530; O00149; Q6NTH2; Q7LDA5; Q7LDG8; Q86VV2; Q9UNY7; A8K7V5
Molecular Weight	49 kDa
NCBI Official Full Name	polycomb protein EED isoform a
NCBI Official Synonym Full Names	embryonic ectoderm development
NCBI Official Symbol	EED
NCBI Official Synonym Symbols	HEED; WAIT1
NCBI Protein Information	polycomb protein EED; WD protein associating with integrin cytoplasmic tails 1
UniProt Protein Name	Polycomb protein EED
UniProt Gene Name	EED
UniProt Synonym Gene Names	hEED; WAIT-1
UniProt Entry Name	EED_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.