

For Research Use Only

EED Monoclonal antibody

Catalog Number: 67756-1-Ig



Basic Information

Catalog Number: 67756-1-Ig	GenBank Accession Number: BC068995	Purification Method: Protein A purification
Size: 1300 µg/ml	GeneID (NCBI): 8726	CloneNo.: 1D11D4
Source: Mouse	UNIPROT ID: O75530	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:500-1:2000 IF-P 1:400-1:1600
Isotype: IgG2b	Full Name: embryonic ectoderm development	
Immunogen Catalog Number: AG10369	Calculated MW: 466 aa, 53 kDa Observed MW: 50/53/46 kDa.	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

Human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : U2OS cells, THP-1 cells, HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells

IHC : mouse testis tissue,

IF-P : mouse testis tissue,

Background Information

EED is a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein interacts with enhancer of zeste 2, the cytoplasmic tail of integrin beta7, immunodeficiency virus type 1 (HIV-1) MA protein, and histone deacetylase proteins. This protein mediates repression of gene activity through histone deacetylation, and may act as a specific regulator of integrin function. EED has three isoforms, with the molecular weight of isoforms 1/2/3: 50/53/46 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

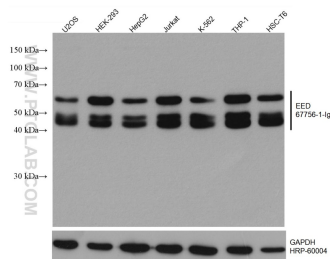
T: 4006900926

E: Proteintech-CN@ptglab.com

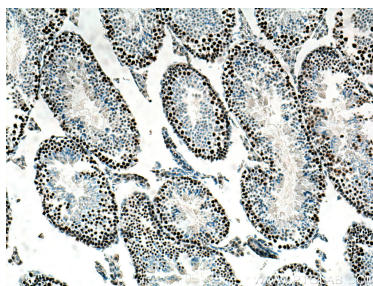
W: ptgcn.com

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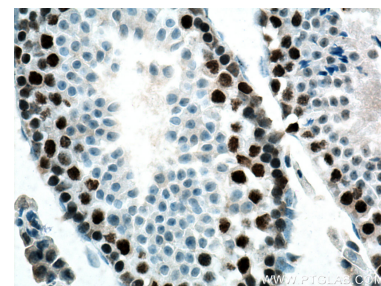
Selected Validation Data



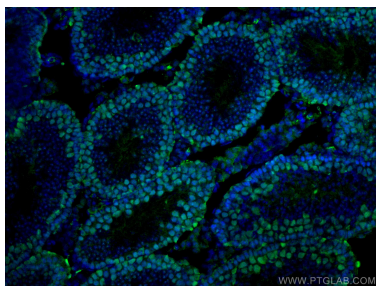
Various lysates were subjected to SDS PAGE followed by western blot with 67756-1-Ig (EED antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



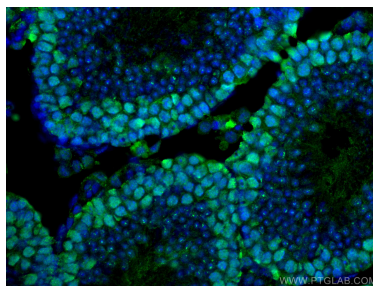
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67756-1-Ig (EED antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67756-1-Ig (EED antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using EED antibody (67756-1-Ig, Clone: 1D11D4) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using EED antibody (67756-1-Ig, Clone: 1D11D4) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).