

For Research Use Only

# EED Monoclonal antibody

Catalog Number: 67756-1-Ig



## Basic Information

<b>Catalog Number:</b> 67756-1-Ig	<b>GenBank Accession Number:</b> BC068995	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8726	<b>CloneNo.:</b> 1D11D4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O75530	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IHC 1:500-1:2000 IF-P 1:400-1:1600
<b>Isotype:</b> IgG2b	<b>Full Name:</b> embryonic ectoderm development	
<b>Immunogen Catalog Number:</b> AG10369	<b>Calculated MW:</b> 466 aa, 53 kDa	
	<b>Observed MW:</b> 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

**\*\*\* 20ul sizes contain 0.1% BSA**

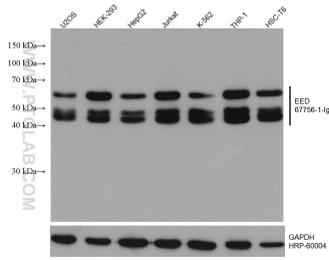
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

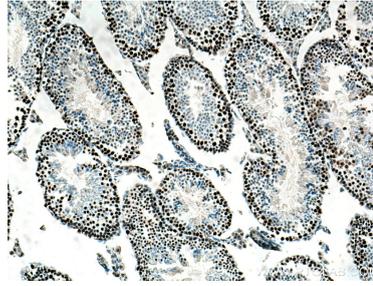
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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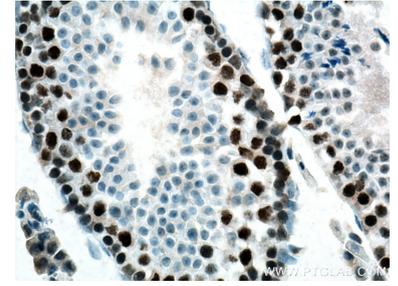
## Selected Validation Data



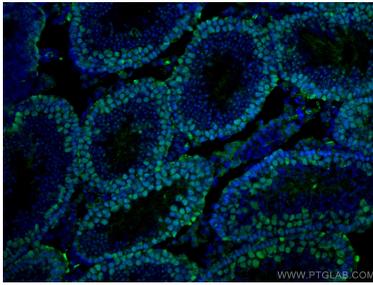
Various lysates were subjected to SDS PAGE followed by western blot with 67756-1-Ig (EED antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



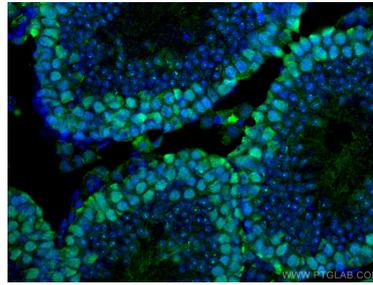
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67756-1-Ig (EED antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).