

For Research Use Only

EED Polyclonal antibody

Catalog Number: 16818-1-AP **16 Publications**



Basic Information

Catalog Number: 16818-1-AP	GenBank Accession Number: BC068995	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 8726	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: O75530	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: embryonic ectoderm development	IHC 1:50-1:500
Immunogen Catalog Number: AG10358	Calculated MW: 466 aa, 53 kDa	IF 1:50-1:500
	Observed MW: 53 kDa	

Applications

Tested Applications: FC, IF/ICC, IHC, IP, WB, ELISA	Positive Controls: WB : COLO 320 cells, A431 cells, HeLa cells, HepG2 cells, K-562 cells, PC-3 cells
Cited Applications: WB, IP, CoIP	IP : PC-3 cells,
Species Specificity: human	IHC : human tonsillitis tissue,
Cited Species: human, rat, mouse	IF : HepG2 cells, HeLa cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yixuan Wang	36165414	Br J Pharmacol	WB,IP
Masamitsu N Asaka	27646999	Sci Rep	WB
Xiaozhen Gu	31511494	Cell Death Dis	WB

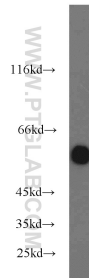
Storage

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

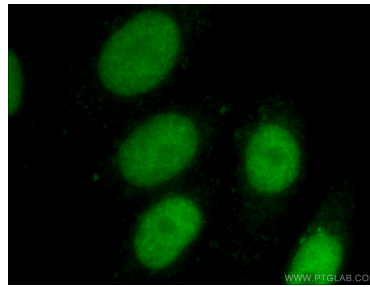
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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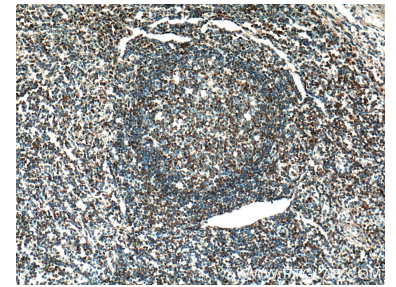
Selected Validation Data



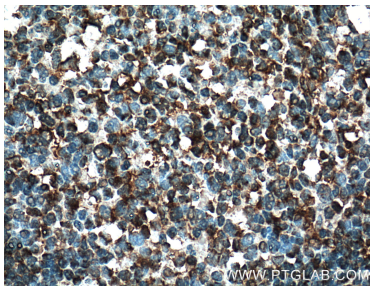
COLO 320 cells were subjected to SDS PAGE followed by western blot with 16818-1-AP (EED antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



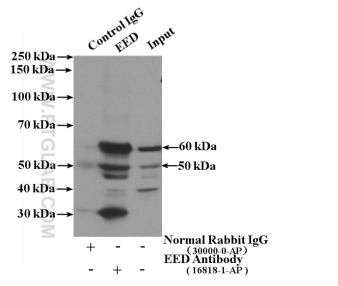
Immunofluorescent analysis of (10% Formalin) fixed HepG2 cells using 16818-1-AP (EED antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



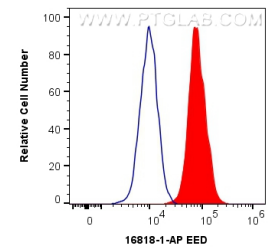
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16818-1-AP (EED Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16818-1-AP (EED Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-EED (IP:16818-1-AP, 4ug; Detection:16818-1-AP 1:500) with PC-3 cells lysate 3200ug.



1×10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human EED (16818-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).