

For Research Use Only

EED Polyclonal antibody

Catalog Number: 16818-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

16818-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10358

GenBank Accession Number:

BC068995

GeneID (NCBI):

8726

UNIPROT ID:

O75530

Full Name:

embryonic ectoderm development

Calculated MW:

466 aa, 53 kDa

Observed MW:

53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IP, CoIP

Species Specificity:

human

Cited Species:

human, mouse, rat, pig

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: COLO 320 cells, A431 cells, HeLa cells, HepG2 cells, K-562 cells, PC-3 cells

IP: PC-3 cells,

IHC: human tonsillitis tissue,

IF/ICC: HepG2 cells, HeLa cells

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:

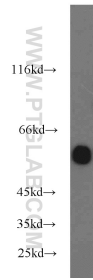
T: 4006900926

E: Proteintech-CN@ptglab.com

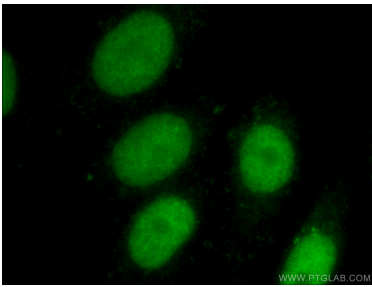
W: ptgcn.com

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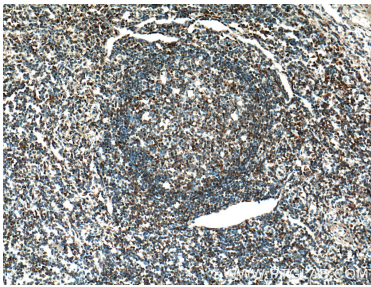
Selected Validation Data



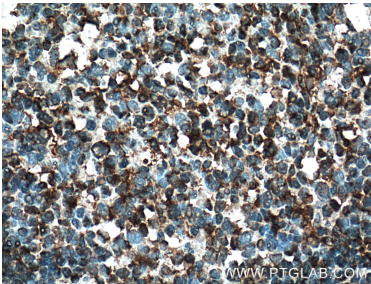
COLO 320 cells were subjected to SDS PAGE followed by western blot with 16818-1-AP (EED antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



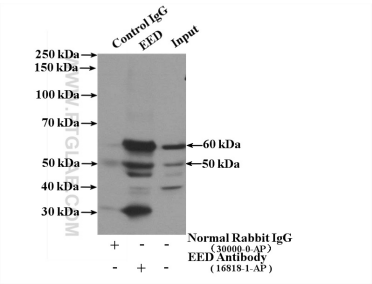
Immunofluorescent analysis of (10% Formalin) fixed HepG2 cells using 16818-1-AP (EED antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



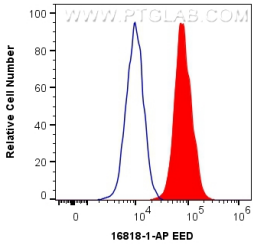
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16818-1-AP (EED Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human EED (16818-1-AP) and CoraLite®488-Conjugated 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).