

For Research Use Only

REST Polyclonal antibody

Catalog Number: 22242-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number:

22242-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17707

GenBank Accession Number:

BC132859

GeneID (NCBI):

5978

UNIPROT ID:

Q13127

Full Name:

RE1-silencing transcription factor

Calculated MW:

1097 aa, 122 kDa

Observed MW:

200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP

Species Specificity:

human

Cited Species:

human, mouse, rat, hamster

Positive Controls:

WB : Raji cells, HEK-293 cells

IP : HeLa cells,

IHC : human breast cancer tissue,

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

REST also named as NRSF or X2 box repressor is a 1097 amino acid protein, which contains 9 C2H2-type zinc fingers. REST as transcriptional repressor binds neuron-restrictive silencer element (NRSE) and represses neuronal gene transcription in non-neuronal cells. Repressor element 1 (RE1) silencing transcription factor (REST), is widely expressed during embryogenesis, and plays a strategic role in terminal neuronal differentiation. The molecular weight of REST is 121 kDa, but REST was detected 200kDa by western blot in our result, which is similar to the one article (PMID: 16764822).

Notable Publications

Author	Pubmed ID	Journal	Application
Hiroyuki Obata	36185767	Exp Ther Med	IF
Haiwei Zhang	36125121	Elife	IF
Qingzhe Wu	34597132	Sci Adv	

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

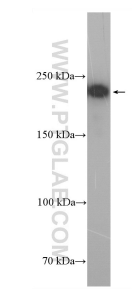
For technical support and original validation data for this product please contact:

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

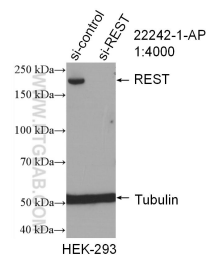
E: proteintech@ptglab.com
W: ptglab.com

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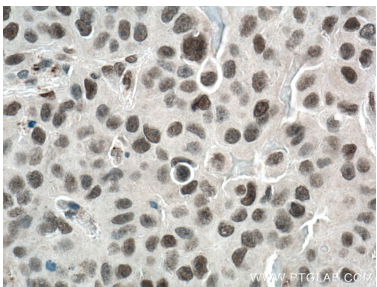
Selected Validation Data



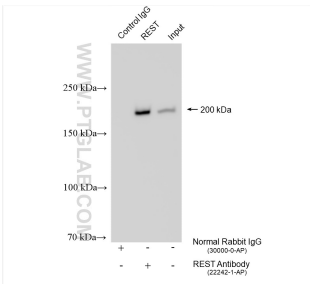
Raji cells were subjected to SDS PAGE followed by western blot with 22242-1-AP (REST antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



WB result of REST antibody (22242-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-REST transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22242-1-AP (REST antibody) at dilution of 1:800 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-REST (IP:22242-1-AP, 4ug; Detection:22242-1-AP 1:15000) with HeLa cells lysate 1750 ug.