

For Research Use Only

TCEA1 Polyclonal antibody

Catalog Number: 17825-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 17825-1-AP	GenBank Accession Number: BC072460	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 550 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6917	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:1000
Source: Rabbit	Full Name: transcription elongation factor A (SII), 1	for WB IHC 1:20-1:200
Isotype: IgG	Calculated MW: 301 aa, 34 kDa	
Immunogen Catalog Number: AG12199	Observed MW: 40 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : Sp2/0 cells, HeLa cells, SGC-7901 cells
Cited Applications: WB	IP : HeLa cells,
Species Specificity: human, mouse, rat	IHC : human brain tissue,
Cited Species: human, mouse	

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

TCEA1, also named as transcription elongation factor A protein 1, is a 301 amino acid protein, which contains 1 TFIIIS central domain and belongs to the TFS-II family. TCEA1 localizes in the nucleus and is necessary for efficient RNA polymerase II transcription elongation past template-encoded arresting sites. The arresting sites in DNA have the property of trapping a certain fraction of elongating RNA polymerases that pass through, resulting in locked ternary complexes. Cleavage of the nascent transcript by S-II allows the resumption of elongation from the new 3'-terminus. The calculated molecular weight of TCEA1 is 37 kDa, but modified TCEA1 is about 37-40 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Song You	30416857	Am J Cancer Res	WB
Shang Zhi	35637971	Int J Biol Sci	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.

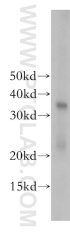
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

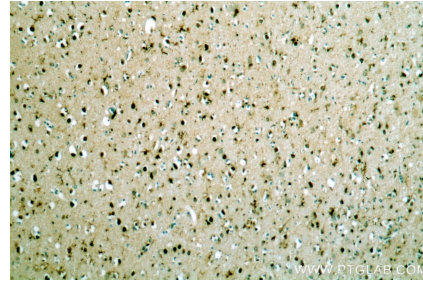
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

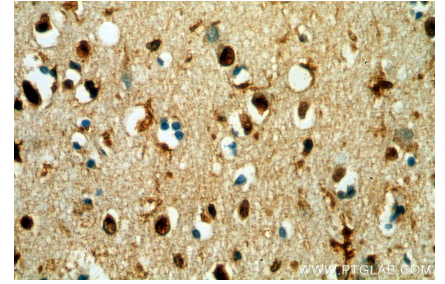
Selected Validation Data



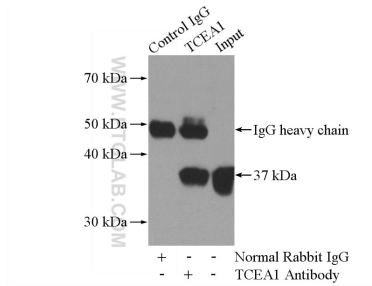
Sp2/0 cells were subjected to SDS PAGE followed by western blot with 17825-1-AP (TCEA1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 17825-1-AP (TCEA1 antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 17825-1-AP (TCEA1 antibody) at dilution of 1:400 (under 40x lens).



IP Result of anti-TCEA1 (IP:17825-1-AP, 4ug; Detection:17825-1-AP 1:500) with HeLa cells lysate 520ug.