

For Research Use Only

TCEB1 Polyclonal antibody

Catalog Number: 12450-1-AP

7 Publications



Basic Information

Catalog Number:

12450-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3087

GenBank Accession Number:

BC013809

GeneID (NCBI):

6921

UNIPROT ID:

Q15369

Full Name:

transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C)

Calculated MW:

112 aa, 12 kDa

Observed MW:

12 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, 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: HeLa cells, MCF-7 cells, mouse testis tissue, rat testis tissue

IHC: human breast cancer tissue, human ovary tumor tissue

IF/ICC: HeLa cells,

Background Information

TCEB1, also named as RNA polymerase II transcription factor SIII subunit C, belongs to the SKP1 family. It mediates the ubiquitination of ECS-E3 ubiquitin-protein ligase complexes. TCEB1 is overexpressed in prostate cancer cell line PC-3 and breast cancer cell line SK-BR-3. TCEB1 also promotes invasion of prostate cancer cells (PMID:18844214).

Notable Publications

Author	Pubmed ID	Journal	Application
Chong-Chong Guo	26557149	Evid Based Complement Alternat Med	WB
Pingzhao Zhang	34743205	Cell Death Differ	WB
Casey Elizabeth Hudman-Wing	39416201	bioRxiv	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:

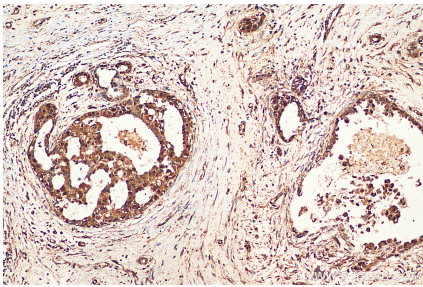
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

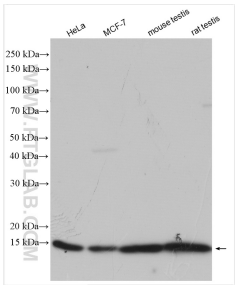
Selected Validation Data



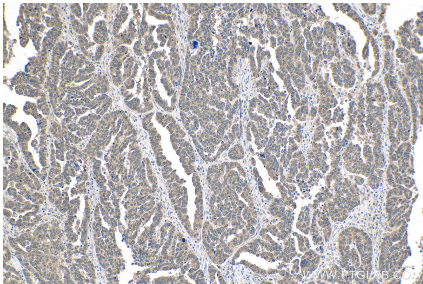
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12450-1-AP (TCEB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



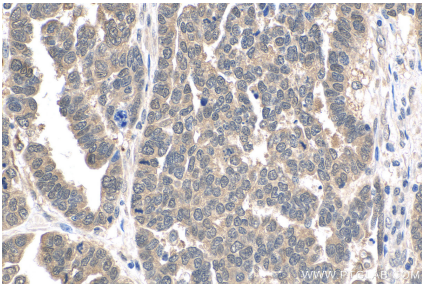
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TCEB1 antibody (12450-1-AP) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 12450-1-AP (TCEB1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 12450-1-AP (TCEB1 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 ovary tumor tissue slide using 12450-1-AP (TCEB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).