For Research Use Only

Beta TRCP Polyclonal antibody

Catalog Number:28393-1-AP 1 Publications

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Basic Information

Catalog Number:
28393-1-AP

Size:
150ul , Concentration: 800 µg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG28739

GenBank Accession Number:
BC027994

GeneID (NCBI):
8945

UNIPROT ID:
Q9Y297

Full Name:
beta-transducin repeat containing

Calculated MW:
605 aa, 69 kDa

Observed MW:
60-65 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:10000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human

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 : HEK-293T cells, NIH/3T3 cells, U-251 cells, Ramos cells, mouse brain tissue, rat brain tissue

IHC : mouse testis tissue,

Background Information

BTRC, also named as BTRCP, FBW1A, and FBXW1A, is an F-box family protein. It is a Substrate recognition component of an SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. BTRC targets many important proteins with diverse functions, such as p53, HRAS, NF-kappa-B p105 subunit, ATF4, SMAD3, SMAD4, CDC25A, DLG1, FBXO5, and the cell cycle checkpoint protein claspin, for ubiquitin-mediated degradation. It is required for the activation of NFKB-mediated transcription by IL1B, MAP3K14, MAP3K1, IKBKB, and TNF. Required for proteolytic processing of GLI3.

Notable Publications

Author	Pubmed ID	Journal	Application
Zitong Zhao	38881674	MedComm (2020)	WB

Storage

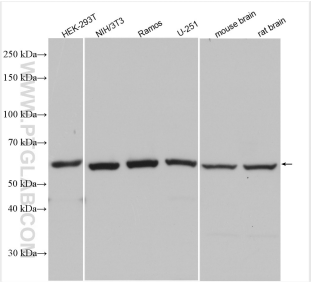
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

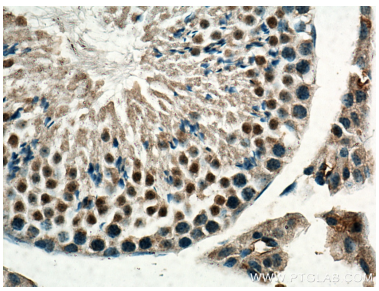
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

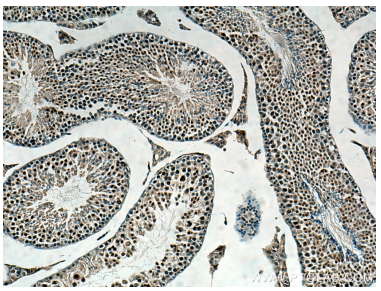
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28393-1-AP (Beta TRCP antibody) at dilution of 1:5000 and incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 28393-1-AP (BETA-TRCP,BTRC antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 28393-1-AP (BETA-TRCP,BTRC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).