

For Research Use Only

Beta TRCP Polyclonal antibody

Catalog Number: 28393-1-AP



Basic Information

Catalog Number: 28393-1-AP	GenBank Accession Number: BC027994	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 8945	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	Full Name: beta-transducin repeat containing	
Isotype: IgG	Calculated MW: 605 aa, 69 kDa	
Immunogen Catalog Number: AG28739	Observed MW: 60-65 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

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

IHC : mouse testis tissue,

IF : MCF-7 cells,

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, IKKB, and TNF. Required for proteolytic processing of GLI3.

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

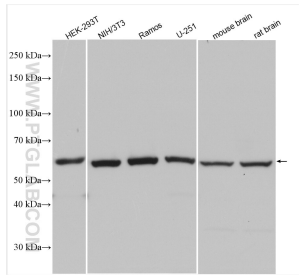
For technical support and original validation data for this product please contact:

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

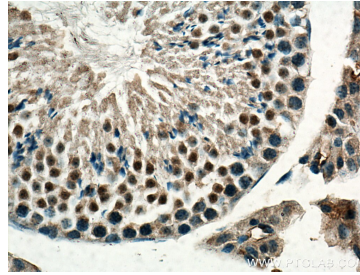
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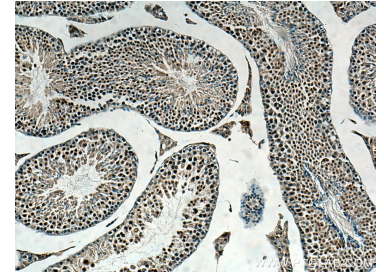
Selected Validation Data



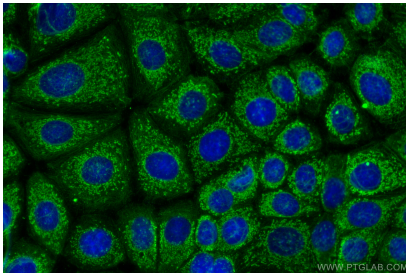
Various lysates were subjected to SDS PAGE followed by western blot with 28393-1-AP (Beta TRCP antibody) at dilution of 1:5000 and incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using Beta TRCP antibody (28393-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).