

TRIM65 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11814c

Product Information

Application	WB, IHC-P, IF, FC, E
Primary Accession	Q6PJ69
Other Accession	NP_775818.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29692
Calculated MW	57353
Antigen Region	327-355

Additional Information

Gene ID	201292
Other Names	Tripartite motif-containing protein 65, TRIM65
Target/Specificity	This TRIM65 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 327-355 amino acids from the Central region of human TRIM65.
Dilution	WB~~1:1000 IHC-P~~1:100~500 IF~~1:10~50 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TRIM65 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRIM65
Function	E3 ubiquitin ligase that plays a role in several processes including innate immunity, autophagy or inflammation (PubMed: 28594402 , PubMed: 34512673). Negatively regulates miRNAs by modulating the ubiquitination and stability of

TNRC6A, a protein involved in RNA- mediated gene silencing by both micro-RNAs (miRNAs) and short interfering RNAs (PubMed:[24778252](#)). This ubiquitination results in the suppressed expression of miR-138-5p leading to increased autophagy (PubMed:[31160576](#)). Upon enteroviral infection, promotes 'Lys-63'- mediated ubiquitination activation of IFIH1/MDA5 leading to innate signaling cascade (PubMed:[28594402](#)). Mechanistically, selectively recognizes MDA5 filaments that occur on dsRNAs (PubMed:[33373584](#)). Plays also a role in limitation of inflammation through different mechanisms. First, promotes 'Lys-48'-mediated ubiquitination of VCAM1 leading to its degradation and limitation of LPS-induced lung inflammation (PubMed:[31310649](#)). In addition, negatively regulates inflammasome activation by promoting 'lys48'-linked ubiquitination of NLRP3 which is critical for the inhibition of NLRP3 inflammasome activation in resting macrophages (PubMed:[34512673](#)).

Cellular Location Cytoplasm

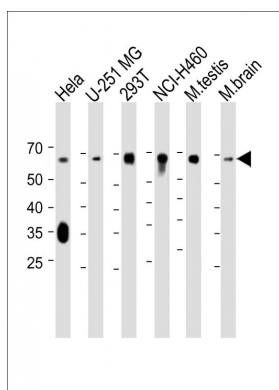
Background

TRIM65 belongs to the TRIM/RBCC family. It contains one B box-type zinc finger, one B30.2/SPRY domain and one RING-type zinc finger.

References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :

Images



All lanes: Anti-TRIM65 Antibody (Center) at 1:1000 dilution
 Lane 1: HeLa whole cell lysate
 Lane 2: U-251 MG whole cell lysate
 Lane 3: 293T whole cell lysate
 Lane 4: NCI-H460 whole cell lysate
 Lane 5: Mouse testis lysate
 Lane 6: Mouse brain lysate
 Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 65 KDa
 Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.