

TRIM65 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11814c**Specification**

TRIM65 Antibody (Center) - Product Information

Application	IF, WB, IHC-P, FC,E
Primary Accession	O6PJ69
Other Accession	NP_775818.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57353
Antigen Region	327-355

TRIM65 Antibody (Center) - 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

IF~~1:10~50
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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.

TRIM65 Antibody (Center) - 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

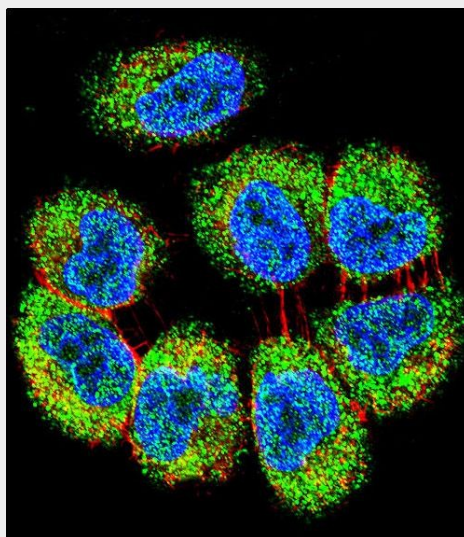
Cytoplasm

TRIM65 Antibody (Center) - Protocols

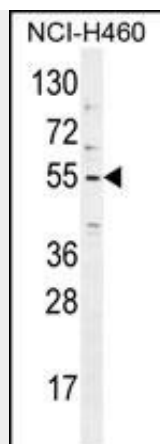
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

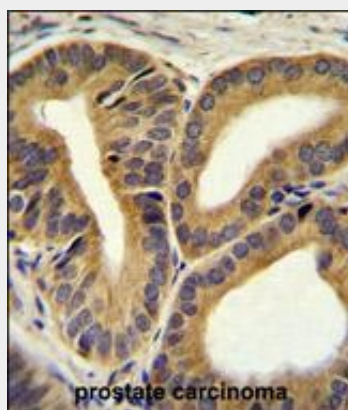
TRIM65 Antibody (Center) - Images



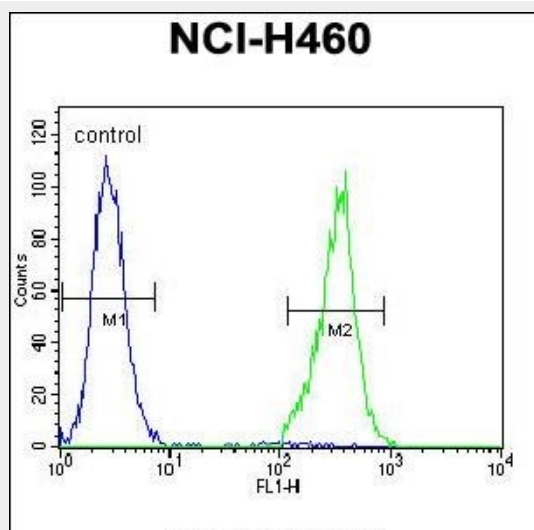
Confocal immunofluorescent analysis of TRIM65 Antibody (Center)(Cat#AP11814c) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



TRIM65 Antibody (Center) (Cat. #AP11814c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the TRIM65 antibody detected the TRIM65 protein (arrow).



TRIM65 Antibody (Center) (Cat. #AP11814c) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TRIM65 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



TRIM65 Antibody (Center) (Cat. #AP11814c) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TRIM65 Antibody (Center) - 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.

TRIM65 Antibody (Center) - References

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