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TRIM65 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11814c

Specification

TRIM65 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q6PJ69

TRIM65 Antibody (Center) Blocking peptide - Additional Information

Gene ID 201292

Other Names
Tripartite motif-containing protein 65, TRIM65

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TRIM65 Antibody (Center) Blocking peptide - Protein Information

Name TRIM65

Function
E3 ubiquitin ligase that plays a role in several processes including innate immnity, 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) Blocking peptide - Protocols

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

- Blocking Peptides

TRIM65 Antibody (Center) Blocking peptide - Images

TRIM65 Antibody (Center) Blocking peptide - Background

Probable E3 ubiquitin-protein ligase which plays an important role in blastocyst development (By similarity).

TRIM65 Antibody (Center) Blocking peptide - References

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