

TRIM23 Rabbit pAb

Catalog # AP53630

Product Information

Primary Accession	P36406
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	64067

Additional Information

Gene ID	373
Other Names	ARD1; ARFD1; RNF46
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

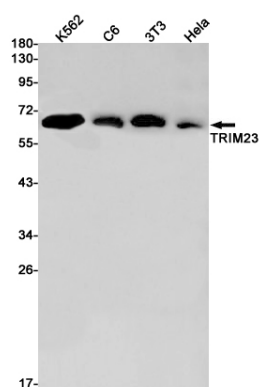
Protein Information

Name	TRIM23
Synonyms	ARD1, ARFD1, RNF46
Function	E3 ubiquitin ligase that harbors GTPase activity encoded by the C-terminal ARF domain. Plays an essential role in autophagy activation during viral infection (PubMed: 31189704 , PubMed: 40360474). Mechanistically, activates TANK-binding kinase 1/TBK1 by facilitating its dimerization and ability to phosphorylate the selective autophagy receptor SQSTM1 (PubMed: 28871090 , PubMed: 31189704). In order to achieve this function, TRIM23 mediates 'Lys-27'-linked auto-ubiquitination of its ADP-ribosylation factor (ARF) domain to induce its GTPase activity and its recruitment to autophagosomes (PubMed: 28871090). Catalyzes 'Lys-63'-linked polyubiquitination of HAX1 that triggers its liquid- liquid phase separation (LLPS) and contributes to P-bodies assembly induced by energy stress (PubMed: 38769438).
Cellular Location	Cytoplasm. Endomembrane system. Golgi apparatus membrane. Lysosome membrane. Cytoplasm, P-body. Note=Membrane-associated with the Golgi complex and lysosomal structures

Background

Swiss-Prot Acc.P36406.Acts as an E3 ubiquitin-protein ligase. Plays an essential role in autophagy activation during viral infection. Mechanistically, activates TANK-binding kinase 1/TBK1 by facilitating its dimerization and ability to phosphorylate the selective autophagy receptor SQSTM1. In order to achieve this function, TRIM23 mediates 'Lys-27'-linked auto-ubiquitination of its ADP-ribosylation factor (ARF) domain to induce its

Images



Western blot detection of TRIM23 in K562,C6,3T3,Hela cell lysates using TRIM23 Rabbit pAb(1:1000 diluted).Predicted band size:64kDa.Observed band size:64kDa.

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