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RNF166 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20484c

Product Information

Application	WB, IF, E
Primary Accession	Q96A37
Other Accession	Q6J1I7, Q3U9F6
Reactivity	Human, Rat, Mouse
Predicted	Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	26122
Antigen Region	71-97

Additional Information

Gene ID	115992
Other Names	RING finger protein 166, RNF166
Target/Specificity	This RNF166 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-97 amino acids from the Central region of human RNF166.
Dilution	WB~~1:1000 IF~~1:25 E~~Use at an assay dependent concentration.
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	RNF166 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RNF166
Function	E3 ubiquitin-protein ligase that promotes the ubiquitination of different substrates (PubMed:27880896). In turn, participates in different biological processes including interferon production or autophagy (PubMed:26456228, PubMed:27880896). Plays a role in the activation of RNA virus-induced

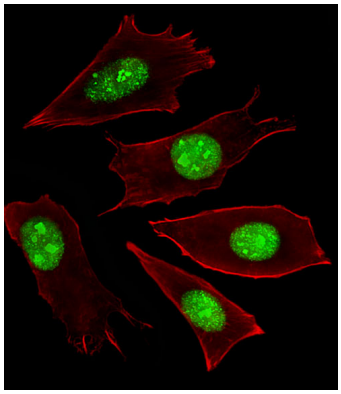
interferon-beta production by promoting the ubiquitination of TRAF3 and TRAF6 (PubMed:26456228). Also plays a role in the early recruitment of autophagy adapters to bacteria (PubMed:27880896). Mediates 'Lys-29' and 'Lys-33'-linked ubiquitination of SQSTM1 leading to xenophagic targeting of bacteria and inhibition of their replication (PubMed:27880896).

Cellular Location Cytoplasm.

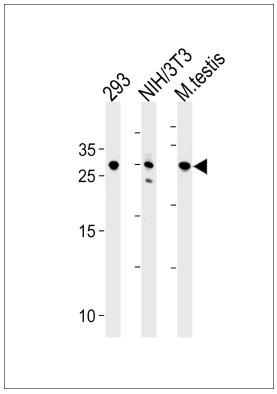
References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Fluorescent image of NIH/3T3 cells stained with RNF166 Antibody (Center)(Cat#AP20484C). AP20484C was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



RNF166 Antibody (Center) (Cat. #AP20484c) western blot analysis in 293,mouse NIH/3T3 cell line and testis tissue lysates (35ug/lane).This demonstrates the RNF166 antibody detected the RNF166 protein (arrow).

Citations

- RNF166 promotes colorectal cancer progression by recognizing and destabilizing poly-ADP-ribosylated angiomotins
- RNF166 Determines Recruitment of Adaptor Proteins during Antibacterial Autophagy.

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