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RNF216 / TRIAD3 Antibody (aa350-400)

Rabbit Polyclonal Antibody
Catalog # ALS12129

Specification

RNF216 / TRIAD3 Antibody (aa350-400) - Product Information

Application	**IHC**
Primary Accession	Q9NWF9
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**99kDa KDa**

RNF216 / TRIAD3 Antibody (aa350-400) - Additional Information

Gene ID 54476

Other Names
E3 ubiquitin-protein ligase RNF216, 6.3.2.-, RING finger protein 216, Triad domain-containing protein 3, Ubiquitin-conjugating enzyme 7-interacting protein 1, Zinc finger protein inhibiting NF-kappa-B, RNF216, TRIAD3, UBCE7IP1, ZIN

Target/Specificity
KLH-conjugated synthetic peptide corresponding to a portion of human TRIAD3 between amino acids 350-400.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
RNF216 / TRIAD3 Antibody (aa350-400) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF216 / TRIAD3 Antibody (aa350-400) - Protein Information

Name RNF216

Synonyms TRIAD3, UBCE7IP1, ZIN

Function
[Isoform 1]: E3 ubiquitin ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their ubiquitination (PubMed:34998453). Plays a role in the regulation of antiviral responses by promoting the degradation of TRAF3, TLR4 and TLR9 (PubMed:15107846, PubMed:19893624). In turn, down-regulates NF-kappa-B and IRF3 activation as well as beta interferon production. Participates also in the regulation of autophagy by ubiquitinating BECN1 leading to its degradation

and autophagy inhibition (PubMed:25484083). Plays a role in ARC-dependent synaptic plasticity by mediating ARC ubiquitination resulting in its rapid proteasomal degradation (PubMed:24945773). Plays aso an essential role in spermatogenesis and male fertility (By similarity). Mechanistically, regulates meiosis by promoting the degradation of PRKACB through the ubiquitin-mediated lysosome pathway (By similarity). Modulates the gonadotropin-releasing hormone signal pathway by affecting the stability of STAU2 that is required for the microtubule-dependent transport of neuronal RNA from the cell body to the dendrite (By similarity).

Cellular Location
Cytoplasm. Cytoplasmic vesicle, clathrin-coated vesicle

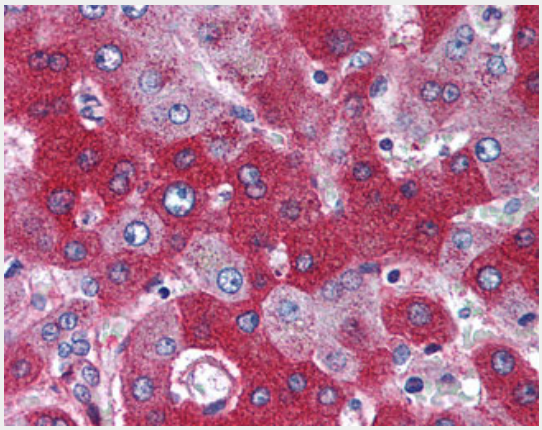
Tissue Location
Ubiquitous, with the highest levels of expression in testis and peripheral blood leukocytes

RNF216 / TRIAD3 Antibody (aa350-400) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RNF216 / TRIAD3 Antibody (aa350-400) - Images



Anti-RNF216 / TRIAD3 antibody IHC of human liver.

RNF216 / TRIAD3 Antibody (aa350-400) - Background

Isoform 1 acts as an E3 ubiquitin ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their degradation by the proteasome. Promotes degradation of TRAF3, TLR4 and TLR9. Contributes to the regulation of antiviral responses. Down- regulates activation of NF-kappa-B, IRF3 activation and IFNB production. Isoform 3/ZIN inhibits TNF and IL-1 mediated activation of NF-kappa-B. Promotes TNF and RIP mediated apoptosis.

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RNF216 / TRIAD3 Antibody (aa350-400) - References

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