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# Rnf216 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14205

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | P58283 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 97682 |

## Additional Information

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| **Gene ID** | 108086 |
| **Other Names** | E3 ubiquitin-protein ligase RNF216, 6.3.2.-, RING finger protein 216, Triad domain-containing protein 3, UbcM4-interacting protein 83, Ubiquitin-conjugating enzyme 7-interacting protein 1, Rnf216, Triad3, Ubce7ip1, Uip83, Zin |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-Rnf216 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | Rnf216 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | Rnf216 |
| **Synonyms** | Triad3, Ubce7ip1, Uip83, Zin |
| **Function** | E3 ubiquitin ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their ubiquitination. Plays a role in the regulation of antiviral responses by promoting the degradation of TRAF3, TLR4 and TLR9. In turn, down-regulates NF-kappa-B and IRF3 activation as well as beta interferon production. Also participates in the regulation of autophagy by ubiquitinating BECN1 leading to its degradation and autophagy inhibition. Plays a role in ARC-dependent synaptic plasticity by mediating ARC ubiquitination resulting in its rapid proteasomal degradation (By similarity). Plays aso an essential role in |

spermatogenesis and male fertility (PubMed:30649198). Mechanistically, regulates meiosis by promoting the degradation of PRKACB through the ubiquitin-mediated lysosome pathway (PubMed:33724554). 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 (PubMed:37439148).

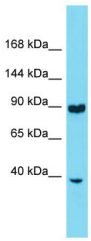
**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q9NWF9}. Cytoplasmic vesicle, clathrin-coated vesicle {ECO:0000250|UniProtKB:Q9NWF9}

## References


Chuang T.H.,et al.Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
Carninci P.,et al.Science 309:1559-1563(2005).
Martinez-Noel G.,et al.FEBS Lett. 454:257-261(1999).


## Images




Host: Rabbit
Target Name: Rnf216
Sample Tissue: Mouse Thymus lysates
Antibody Dilution: 1.0μg/ml