

TRIAD3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59162**Specification****TRIAD3 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, E
Primary Accession	O9NWF9
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	99 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TRIAD3
Epitope Specificity	301-400/866
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic
SIMILARITY	Contains 1 IBR-type zinc finger. Contains 2 RING-type zinc fingers.
SUBUNIT	Interacts with UBE2L3 and to some extent with UBE2L6. Interacts with TRAF3, TLR3, TLR4, TLR5 and TLR9. Isoform 3/ZIN binds RIPK1 and HIV VIF.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The TRIAD3 gene encodes a cytoplasmic protein which specifically colocalizes and interacts with the serine/threonine protein kinase, receptor-interacting protein (RIP). Zinc finger domains of the encoded protein are required for its interaction with RIP and for inhibition of TNF- and IL1-induced NF-kappa B activation pathways. The encoded protein may also function as an E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes and transfers it to substrates. Several alternatively spliced transcript variants have been described for this locus but the full-length natures of only some are known.

TRIAD3 Polyclonal Antibody - Additional Information**Gene ID** 54476**Other Names**

E3 ubiquitin-protein ligase RNF216, 2.3.2.27, RING finger protein 216, RING-type E3 ubiquitin transferase RNF216, 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

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

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

TRIAD3 Polyclonal Antibody - 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](http://www.uniprot.org/citations/34998453)). Plays a role in the regulation of antiviral responses by promoting the degradation of TRAF3, TLR4 and TLR9 (PubMed: [15107846](http://www.uniprot.org/citations/15107846), PubMed: [19893624](http://www.uniprot.org/citations/19893624)). 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 (PubMed: [25484083](http://www.uniprot.org/citations/25484083)). Plays a role in ARC-dependent synaptic plasticity by mediating ARC ubiquitination resulting in its rapid proteasomal degradation (PubMed: [24945773](http://www.uniprot.org/citations/24945773)). Plays also 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

TRIAD3 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRIAD3 Polyclonal Antibody - Images