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# TRIAD3 (UBCE7IP1) Antibody (C-term)

**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP2106b**

## Specification

### TRIAD3 (UBCE7IP1) Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB, IHC-P,E** |
| Primary Accession | Q9NWF9 |
| Other Accession | P58283 |
| Reactivity | **Human, Mouse** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Antigen Region | **716-745** |

### TRIAD3 (UBCE7IP1) Antibody (C-term) - Additional Information

**Gene ID** 54476

**Other Names**
E3 ubiquitin-protein ligase RNF216, 632-, 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**
This TRIAD3 (UBCE7IP1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 716-745 amino acids from the C-terminal region of human TRIAD3 (UBCE7IP1).

**Dilution**
WB~~1:1000
IHC-P~~1:50~100
E~~Use at an assay dependent concentration.

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**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**
TRIAD3 (UBCE7IP1) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### TRIAD3 (UBCE7IP1) Antibody (C-term) - Protein Information

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**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. Also participates 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

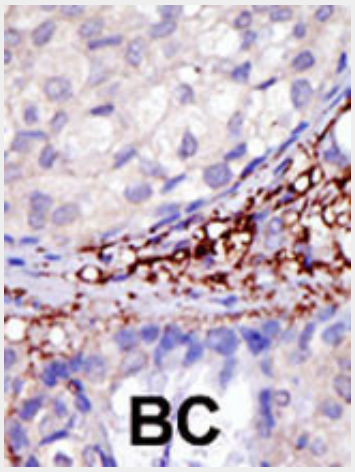
**Tissue Location**
Ubiquitous, with the highest levels of expression in testis and peripheral blood leukocytes

## TRIAD3 (UBCE7IP1) Antibody (C-term) - 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

## TRIAD3 (UBCE7IP1) Antibody (C-term) - Images



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Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

**TRIAD3 (UBCE7IP1) Antibody (C-term) - Background**

UBCE7IP1 is 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.

**TRIAD3 (UBCE7IP1) Antibody (C-term) - References**

Ota, T., et al., Nat. Genet. 36(1):40-45 (2004).
Chen, D., et al., J. Biol. Chem. 277(18):15985-15991 (2002).
Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).