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TRIAD3 (UBCE7IP1) Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP2106b

Specification

TRIAD3 (UBCE7IP1) Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9NWF9

TRIAD3 (UBCE7IP1) Antibody (C-term) Blocking peptide - 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
The synthetic peptide sequence used to generate the antibody AP2106b was selected from the C-term region of human UBCE7IP1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TRIAD3 (UBCE7IP1) Antibody (C-term) Blocking peptide - 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. 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) Blocking peptide - Protocols

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

- Blocking Peptides

TRIAD3 (UBCE7IP1) Antibody (C-term) Blocking peptide - Images

TRIAD3 (UBCE7IP1) Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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).