

TRIP / TRAIP Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2334a**Specification****TRIP / TRAIP Antibody (C-Term) - Product Information**

Application	IHC, E
Primary Accession	Q9BWF2
Other Accession	NP_005870.2 , 10293
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	53294

TRIP / TRAIP Antibody (C-Term) - Additional Information**Gene ID** 10293**Other Names**E3 ubiquitin-protein ligase TRAIP, 6.3.2.-,
RING finger protein 206, TRAF-interacting
protein, TRAIP, RNF206, TRIP**Format**0.5 mg/ml in Tris saline, 0.02% sodium
azide, pH7.3 with 0.5% bovine serum
albumin**Storage**Maintain refrigerated at 2-8°C for up to 6
months. For long term storage store at
-20°C in small aliquots to prevent
freeze-thaw cycles.**Precautions**TRIP / TRAIP Antibody (C-Term) is for
research use only and not for use in
diagnostic or therapeutic procedures.**TRIP / TRAIP Antibody (C-Term) - Protein Information****Name** TRAIP

{ECO:0000303|PubMed:26595769,

TRIP / TRAIP Antibody (C-Term) - ReferencesTRAF-interacting protein (TRIP): a novel
component of the tumor necrosis factor
receptor (TNFR)- and CD30-TRAF signaling
complexes that inhibits TRAF2-mediated
NF-kappaB activation. Lee SY, Lee SY, Choi Y. J
Exp Med. 1997 Apr 7;185(7):1275-85. PMID:
9104814

ECO:0000312|HGNC:HGNC:30764}

Function

E3 ubiquitin ligase required to protect genome stability in response to replication stress (PubMed:25335891, PubMed:26781088, PubMed:27462463, PubMed:26711499, PubMed:26595769, PubMed:31545170). Acts as a key regulator of interstrand cross-link repair, which takes place when both strands of duplex DNA are covalently tethered together, thereby blocking replication and transcription (By similarity). Controls the choice between the two pathways of replication-coupled interstrand-cross-link repair by mediating ubiquitination of MCM7 subunit of the CMG helicase complex (By similarity). Short ubiquitin chains on MCM7 promote recruitment of DNA glycosylase NEIL3 (By similarity). If the interstrand cross-link cannot be cleaved by NEIL3, the ubiquitin chains continue to grow on MCM7, promoting the unloading of the CMG helicase complex by the VCP/p97 ATPase, enabling the Fanconi anemia DNA repair pathway (By similarity). Only catalyzes ubiquitination of MCM7 when forks converge (By similarity). Also involved in the repair of covalent DNA-protein cross-links (DPCs) during DNA synthesis: promotes ubiquitination of DPCs, leading to their degradation by the proteasome (By similarity). Has also been proposed to play a role in promoting translesion synthesis by mediating the assembly of 'Lys-63'-linked poly-ubiquitin chains on the Y-family polymerase POLN in order to facilitate bypass of DNA lesions and preserve genomic integrity (PubMed:24553286). The function in translesion synthesis is however

controversial (PubMed:26595769). Acts as a regulator of the spindle assembly checkpoint (PubMed:25335891). Also acts as a negative regulator of innate immune signaling by inhibiting activation of NF-kappa-B mediated by TNF (PubMed:22945920). Negatively regulates TLR3/4- and RIG-I-mediated IRF3 activation and subsequent IFNB1 production and cellular antiviral response by promoting 'Lys-48'-linked polyubiquitination of TNK1 leading to its proteasomal degradation (PubMed:22945920).

Cellular Location

Nucleus, nucleoplasm. Nucleus, nucleolus. Chromosome. Cytoplasm Cytoplasm, perinuclear region. Note=In the nucleus, found in close proximity to PCNA, suggesting localization at replication foci (PubMed:26595769). Localizes to DNA damage sites in response to replication stress (PubMed:26781088, PubMed:26595769, PubMed:26711499).

TRIP / TRAIP 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 Cytometry](#)
- [Cell Culture](#)