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TRIM17 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10685

Product Information

Application	WB
Primary Accession	Q9Y577
Other Accession	NM_001024940, NP_001020111
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54418

Additional Information

Gene ID	51127
Alias Symbol	RBCC, terf, RNF16
Other Names	E3 ubiquitin-protein ligase TRIM17, 6.3.2.-, RING finger protein 16, Testis RING finger protein, Tripartite motif-containing protein 17, TRIM17, RBCC, RNF16, TERF
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-TRIM17 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	TRIM17 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRIM17
Synonyms	RBCC, RNF16, TERF
Function	E3 ubiquitin ligase that plays important roles in the regulation of neuronal apoptosis, selective autophagy or cell proliferation (PubMed:19358823, PubMed:22023800, PubMed:27562068). Stimulates the degradation of kinetochore ZW10 interacting protein ZWINT in a proteasome-dependent manner, leading to negative regulation of cell proliferation (PubMed:22023800). Inhibits autophagic degradation of diverse known targets while contributing to autophagy of midbodies. Autophagy-inhibitory

activity involves MCL1, which TRIM17 assembles into complexes with the key autophagy regulator BECN1 (PubMed:27562068). Controls neuronal apoptosis by mediating ubiquitination and degradation of MCL1 to initiate neuronal death. In addition, regulates NFAT transcription factors NFATC3 and NFATC4 activities by preventing their nuclear localization, thus inhibiting their transcriptional activities. Decreases TRIM41-mediated degradation of ZSCAN2 thereby stimulating alpha-synuclein/SNCA transcription in neuronal cells (By similarity). Prevents the E3 ubiquitin-ligase activity of TRIM28 and its interaction with anti-apoptotic BCL2A1, blocking TRIM28 from ubiquitinating BCL2A1 (PubMed:19358823).

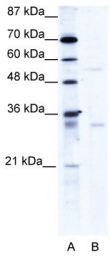
Cellular Location Cytoplasm. Lysosome

Tissue Location Almost exclusively in the testis.

References

Reymond,A., et al., (2001) EMBO J. 20 (9), 2140-2151Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-TRIM17 Antibody Titration: 1.25µg/ml
ELISA Titer: 1:1562500
Positive Control: HepG2 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.