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TRIM8 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11598

Product Information

Application	WB, IHC
Primary Accession	Q9BZR9
Other Accession	NM_030912, NP_112174
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61489

Additional Information

Gene ID	81603
Alias Symbol	GERP, RNF27
Other Names	Probable E3 ubiquitin-protein ligase TRIM8, 6.3.2.-, Glioblastoma-expressed RING finger protein, RING finger protein 27, Tripartite motif-containing protein 8, TRIM8, GERP, RNF27
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-TRIM8 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	TRIM8 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRIM8
Synonyms	GERP, RNF27
Function	E3 ubiquitin-protein ligase that participates in multiple biological processes including cell survival, differentiation, apoptosis, and in particular, the innate immune response (PubMed:27981609, PubMed:28747347). Participates in the activation of interferon-gamma signaling by promoting proteasomal degradation of the repressor SOCS1 (PubMed:12163497). Plays a positive role in the TNFalpha and IL-1beta signaling pathways. Mechanistically, induces the 'Lys-63'-linked polyubiquitination of MAP3K7/TAK1 component leading to the

activation of NF-kappa-B (PubMed:22084099, PubMed:23152791, PubMed:27981609, PubMed:34871740). Also modulates STAT3 activity through negative regulation of PIAS3, either by degradation of PIAS3 through the ubiquitin-proteasome pathway or exclusion of PIAS3 from the nucleus (PubMed:20516148). Negatively regulates TLR3/4-mediated innate immune response by catalyzing 'Lys-6'- and 'Lys-33'-linked polyubiquitination of TICAM1 and thereby disrupting the TICAM1-TBK1 interaction (PubMed:28747347).

Cellular Location

Cytoplasm. Nucleus. Nucleus, nuclear body. Note=Nucleo-cytoplasmic translocation is involved in regulation of NF-kappa-B.

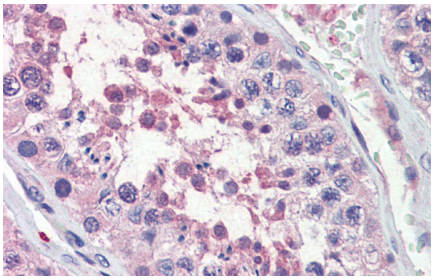
Tissue Location

Widely expressed. Expressed in glomerular podocytes of kidneys. {ECO:0000269|PubMed:33508234, ECO:0000305}

References

Carinci,F., (2007) Transl Res 150 (4), 233-245 Reconstitution 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



Immunohistochemistry with Human Testis lysate tissue at an antibody concentration of 5.0µg/ml using anti-TRIM8 antibody (AI11598)



WB Suggested Anti-TRIM8 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Hela cell lysate

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