

# TRIM8 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI10699

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9BZR9</a>
<b>Other Accession</b>	<a href="#">NM_030912</a> , <a href="#">NP_112174</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rabbit, Pig, Dog, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	61489

## Additional Information

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<b>Gene ID</b>	81603
<b>Alias Symbol</b>	GERP, RNF27
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	TRIM8 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	TRIM8
<b>Synonyms</b>	GERP, RNF27
<b>Function</b>	E3 ubiquitin-protein ligase that participates in multiple biological processes including cell survival, differentiation, apoptosis, and in particular, the innate immune response (PubMed: <a href="#">27981609</a> , PubMed: <a href="#">28747347</a> ). Participates in the activation of interferon-gamma signaling by promoting proteasomal degradation of the repressor SOCS1 (PubMed: <a href="#">12163497</a> ). 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}

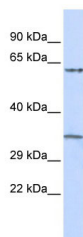
## References

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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

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WB Suggested Anti-TRIM8 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:62500  
Positive Control: Human Placenta

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