

GERP / TRIM8 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2319a

Specification

GERP / TRIM8 Antibody (C-Term) - Product Information

Application	IHC, E
Primary Accession	O9BZR9
Other Accession	NP_112174.2 , 81603 , 93679 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	61489

GERP / TRIM8 Antibody (C-Term) - Additional Information

Gene ID 81603

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

Dilution

IHC~~1:100~500

E~~N/A

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

GERP / TRIM8 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

GERP / TRIM8 Antibody (C-Term) - 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}

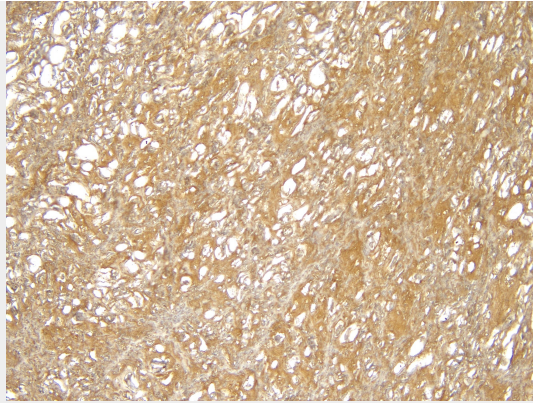
GERP / TRIM8 Antibody (C-Term) - Protocols

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

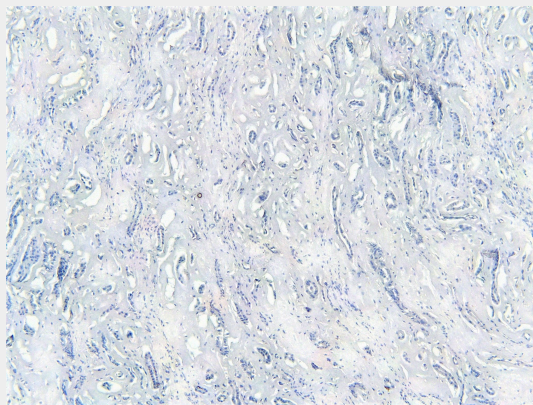
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GERP / TRIM8 Antibody (C-Term) - Images

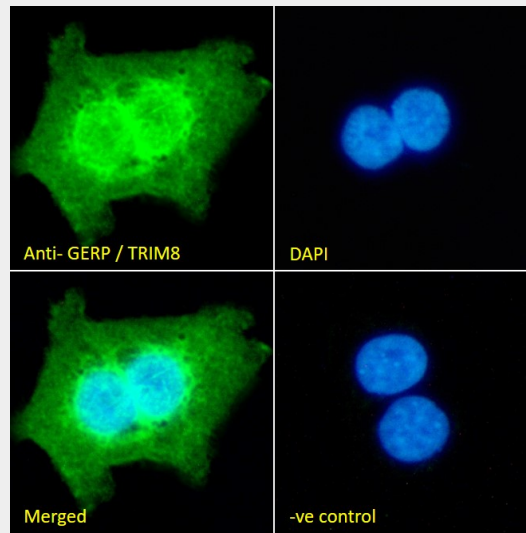




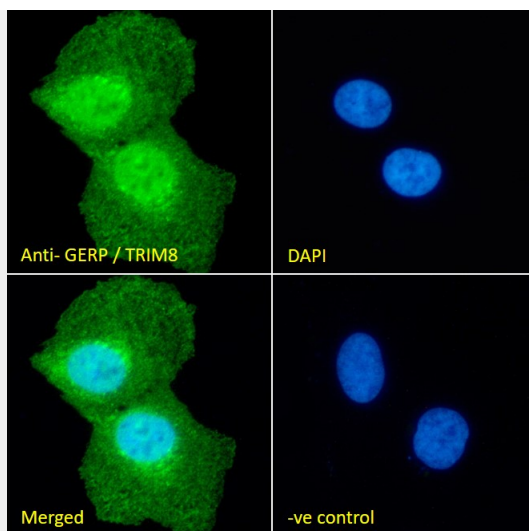
EB05878 (4 μ g/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



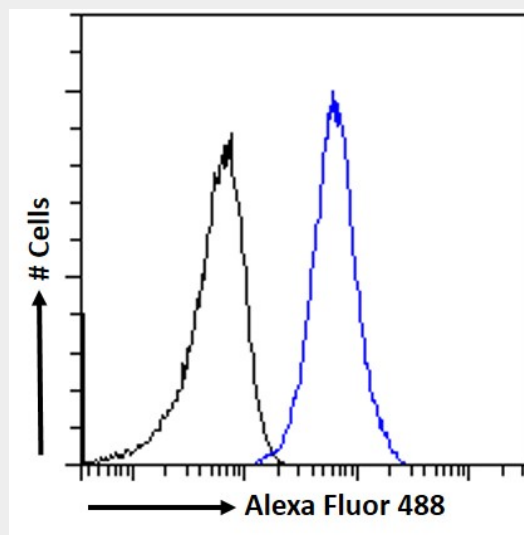
EB05878 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.



EB05878 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 μ g/ml) followed by Alexa Fluor 488 secondary antibody (2 μ g/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 μ g/ml) followed by Alexa Fluor 488 secondary antibody (2 μ g/ml).



EB05878 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05878 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

GERP / TRIM8 Antibody (C-Term) - References

A novel RING finger-B box-coiled-coil protein, GERP. Vincent SR, Kwasnicka DA, Fretier P. Biochem Biophys Res Commun. 2000 Dec 20;279(2):482-6. PMID: 11118312