

Rabbit Anti-TRAF1 antibody

SL1212R

Product Name TRAF1

Chinese Name Tumour 坏死因子受体相关因子 1 抗体

Alias TNF receptor-associated factor 1; 4732496E14Rik; EBV induced protein 6; Epstein-Barr virus-induced protein 6; Tnf receptor associated factor 1; TRAF 1; TRAF1_HUMAN.

Research Area Tumour immunology Signal transduction The cell membrane 受体

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human,Mouse,Rat(predicted:Dog,Cow,Horse,Rabbit)

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 46kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human TRAF1: 301-416/416

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

The protein encoded by this gene is a member of the TNF receptor (TNFR) associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from various receptors of the TNFR superfamily. This protein and TRAF2 form a heterodimeric complex, which is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF2 also interacts with inhibitor-of-apoptosis proteins (IAPs), and thus mediates the anti-apoptotic signals from TNF receptors. The expression of this protein can be induced by Epstein-Barr virus (EBV). EBV infection membrane protein 1 (LMP1) is found to interact with this and other TRAF proteins; this interaction is thought to link LMP1-mediated B lymphocyte transformation to the signal transduction from TNFR family receptors. [provided by RefSeq].

Function:

Adapter molecule that regulates the activation of NF-kappa-B and JNK. Plays a role in the regulation of cell survival and apoptosis. The heterotrimer formed by TRAF1 and TRAF2 is part of a E3 ubiquitin-protein ligase complex that promotes ubiquitination of target proteins, such as MAP3K14. The TRAF1/TRAF2 complex recruits the antiapoptotic E3 protein-ubiquitin ligases BIRC2 and BIRC3 to TNFRSF1B/TNFR2.

Subunit:

Homotrimer. Heterotrimer with TRAF2. Interacts with TNFRSF1A/TNFR1, TNFRSF1B/TNFR2, TNFRSF4, TNFRSF5/CD40, TNFRSF8/CD30, TNFRSF9/CD137, TNFRSF11A/RANK, TNFRSF13C, TNFRSF18/AITR, TNFRSF17/BCMA, TNFRSF19/TROY, TNFRSF19L/RELT, XEDAR, EDAR, Epstein-Barr virus BNFL1/LMP-1, TANK/ITRAF, TRAIIP and RIPK2. Interacts with BIRC2 and BIRC3 N-terminus; a single BIRC2 or BIRC3 molecule interacts with a heterotrimer formed by TRAF1 and TRAF2. Interacts with NFATC2IP, TRAFD1 and with HIVEP3 (By similarity). Interacts with MAP3K14.

Post-translational modifications:

Polyubiquitinated by BIRC2 and/or BIRC3, leading to its subsequent proteasomal degradation.

Similarity:

Contains 1 MATH domain.

SWISS:

Q13077

Gene ID:

7185

Database links:

**Product
Detail**

[Entrez Gene: 700583](#) Cow

[Entrez Gene: 7185](#) Human

[Entrez Gene: 22029](#) Mouse

[Omim: 601711](#) Human

[SwissProt: Q13077](#) Human

[SwissProt: P39428](#) Mouse

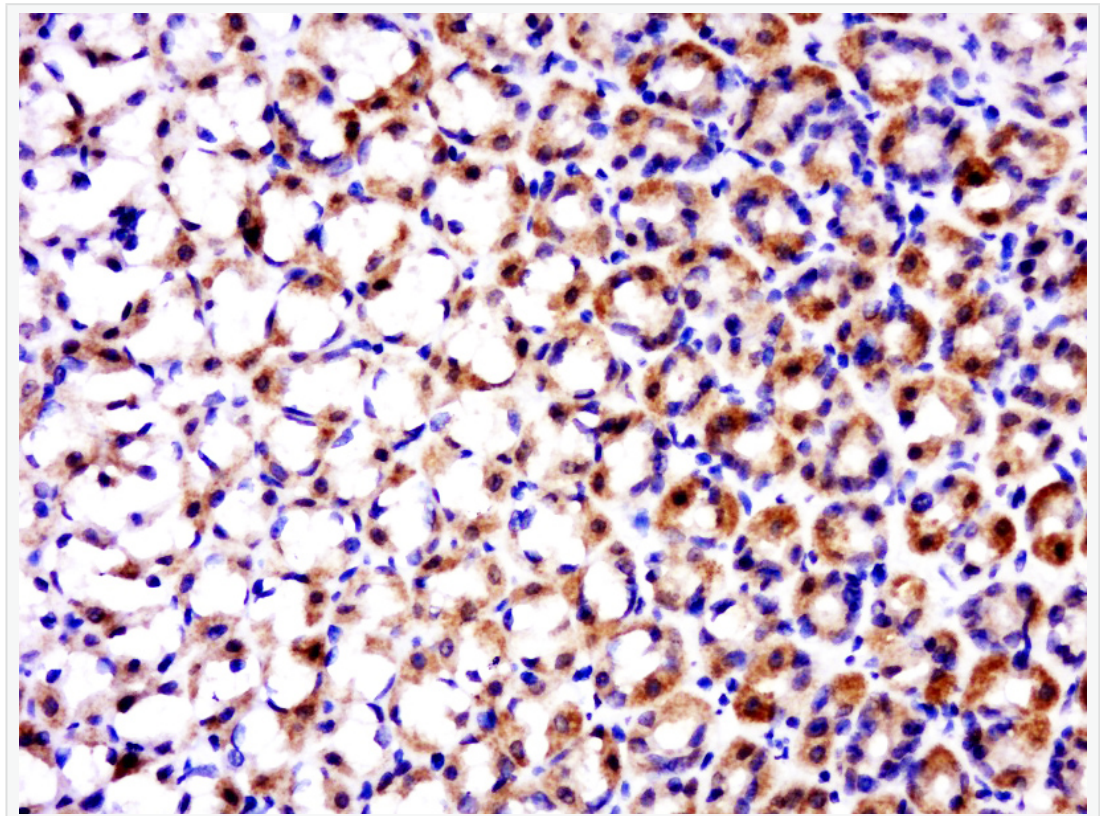
[Unigene: 531251](#) Human

[Unigene: 239514](#) Mouse

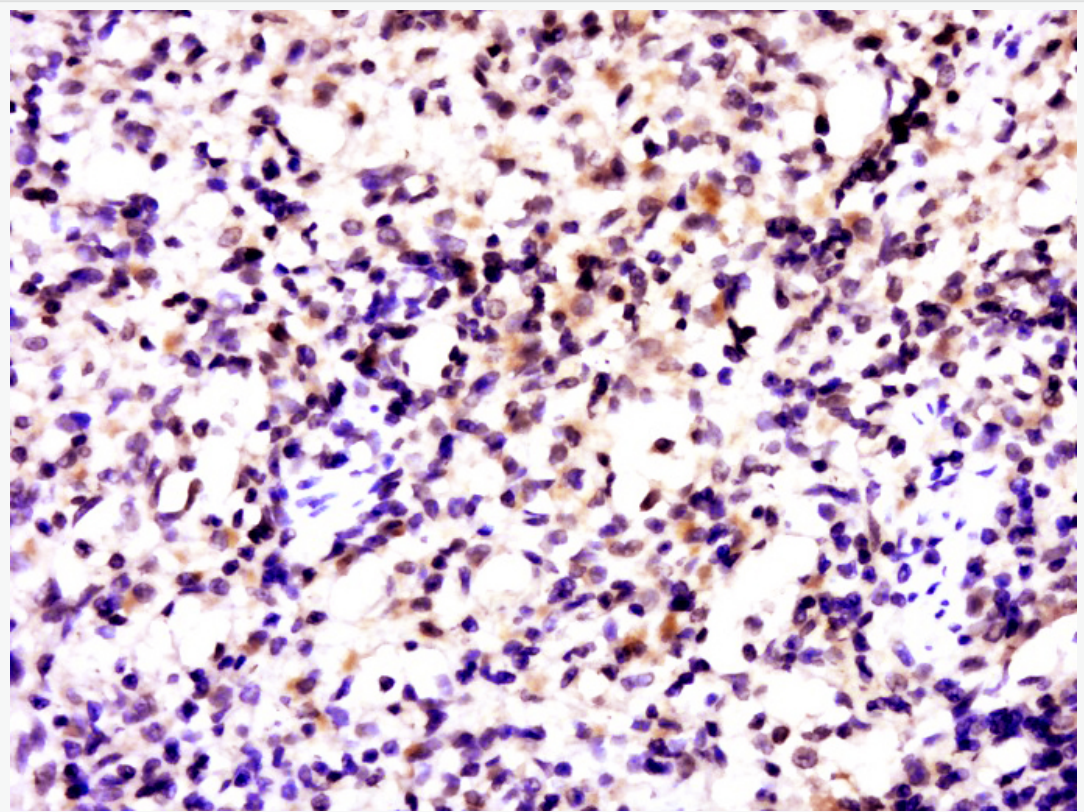
信号传导 (Signaling Intermediates)

TRAF1 是 TRAFs 分子中最有可能出现差异表达的分子之一; TRAF1 分子不包含其它 TRAFs 分子皆有的环结构-没有重排的锌指结构。TNFR1 在介导 Apoptosis 信号及在 Tumour 细胞的凋亡中发挥着一定的作用。

**Product
Picture**

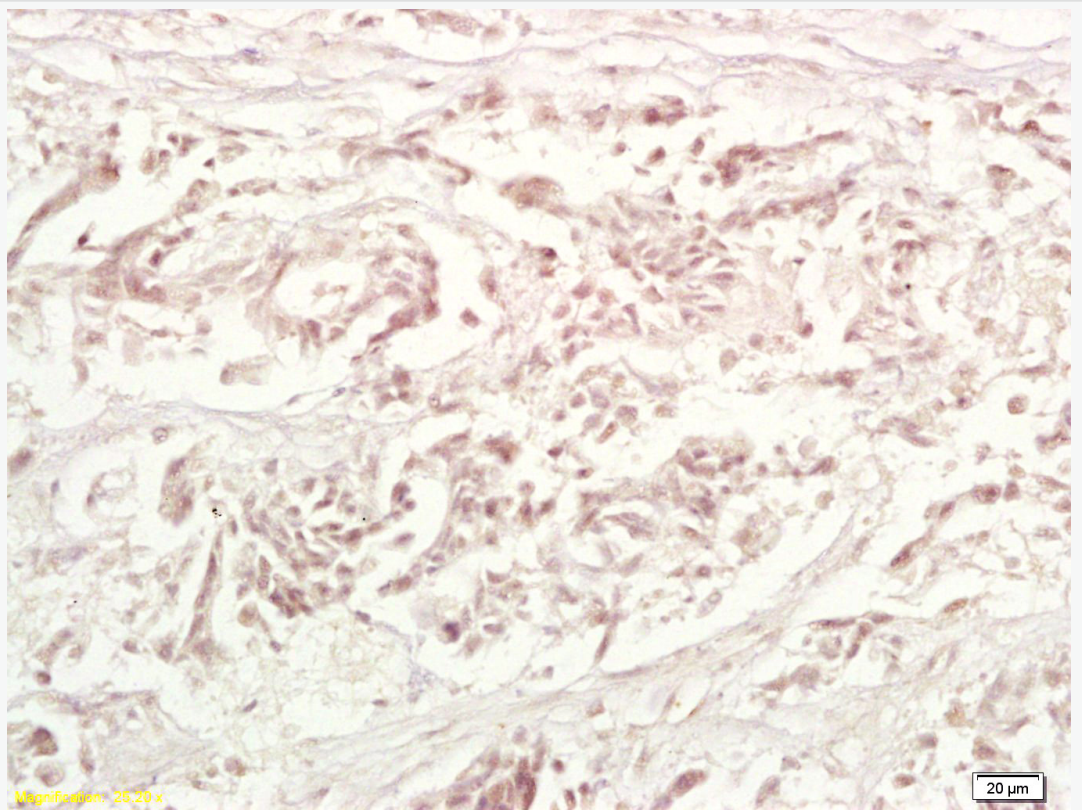


Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRAF1) Polyclonal Antibody, Unconjugated (SL1212R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at

37°C for 30min; Antibody incubation with (TRAF1) Polyclonal Antibody, Unconjugated (SL1212R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

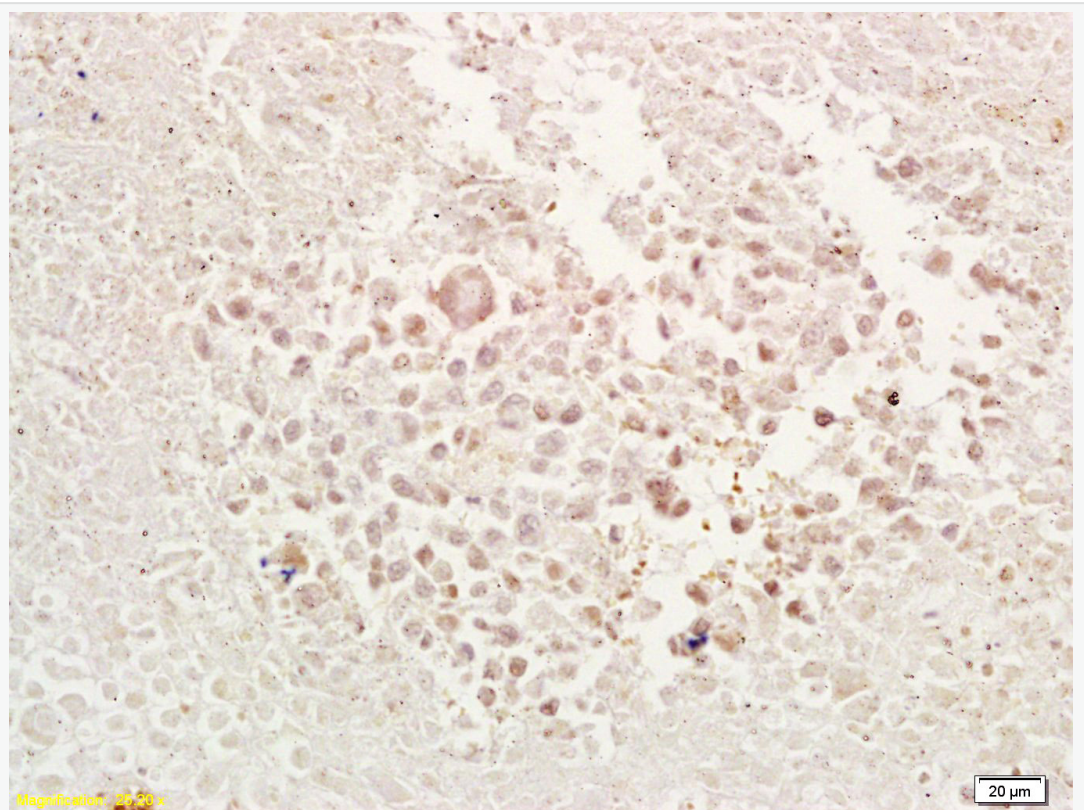


Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-TRAF1 Polyclonal Antibody, Unconjugated(SL1212R) 1:200,

overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse tumor tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-TRAF1 Polyclonal Antibody, Unconjugated(SL1212R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and



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DAB(C-0010) staining