

Rabbit Anti-TRAIL antibody

SL1214R

Product Name TRAIL

Chinese Name Tumour 坏死因子相关凋亡诱导配体抗体

Alias Tumor necrosis factor ligand superfamily member 10; APO2L; TNFSF10; Apo 2 ligand; Apo 2L; CD 253; CD253; CD253 antigen; Protein TRAIL; TL 2; TL2; TNF Related Apoptosis Inducing Ligand; TNF related apoptosis inducing ligand TRAIL; TNFSF 10; TNFSF10 protein; TRAIL PEN; Tumor Necrosis Factor (ligand) Superfamily Member 10; TNF10_HUMAN.

Research Area Tumour Cell biology Neurobiology Signal transduction Apoptosis

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human Mouse Rat

Applications WB=1:500-2000,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 31kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human TRAIL: 185-281/281

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution Human,Mouse,Rat1M TBS(pH7.4) with 1% BSA, Human,Mouse,Rat3% 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 cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.(tumor necrosis factor-related apoptosis-inducing ligand)

Function:

Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG. Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis.

**Product
Detail**

Subunit:

Homotrimer.

Subcellular Location:

Membrane; Single-pass type II membrane protein (Potential).

Tissue Specificity:

Widespread; most predominant in spleen, lung and prostate.

Similarity:

Belongs to the tumor necrosis factor family.

SWISS:

P50591

Gene ID:

8743

Database links:

[Entrez Gene: 8743](#) Human

[Entrez Gene: 22035](#) Mouse

[Entrez Gene: 246775](#) Rat

[Omim: 603598](#) Human

[SwissProt: P50591](#) Human

[SwissProt: P50592](#) Mouse

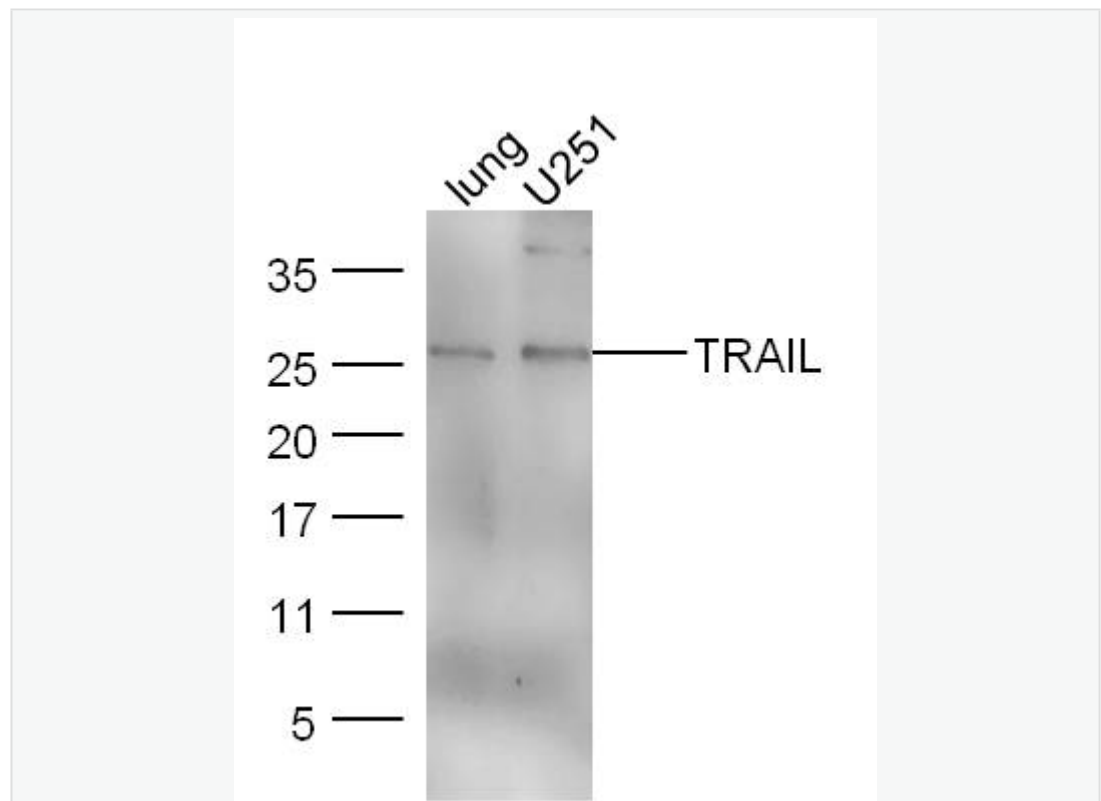
[Unigene: 478275](#) Human

[Unigene: 1062](#) Mouse

[Unigene: 83627](#) Rat

Tumour 坏死因子相关的凋亡诱导配体(TNF related apoptosis inducingligand, TRAIL)又称凋亡素 2 配体(Apo2 ligand, Apo2L)或死亡配体, 属于 Tumour 坏死因子家族, 能选择性的诱导 TumourApoptosis, 而正常细胞则可以逃逸他的杀伤作用, 有望成为一种新的抗 Tumour 方法。

Product
Picture



Sample:

Lung (Mouse) Lysate at 30 ug

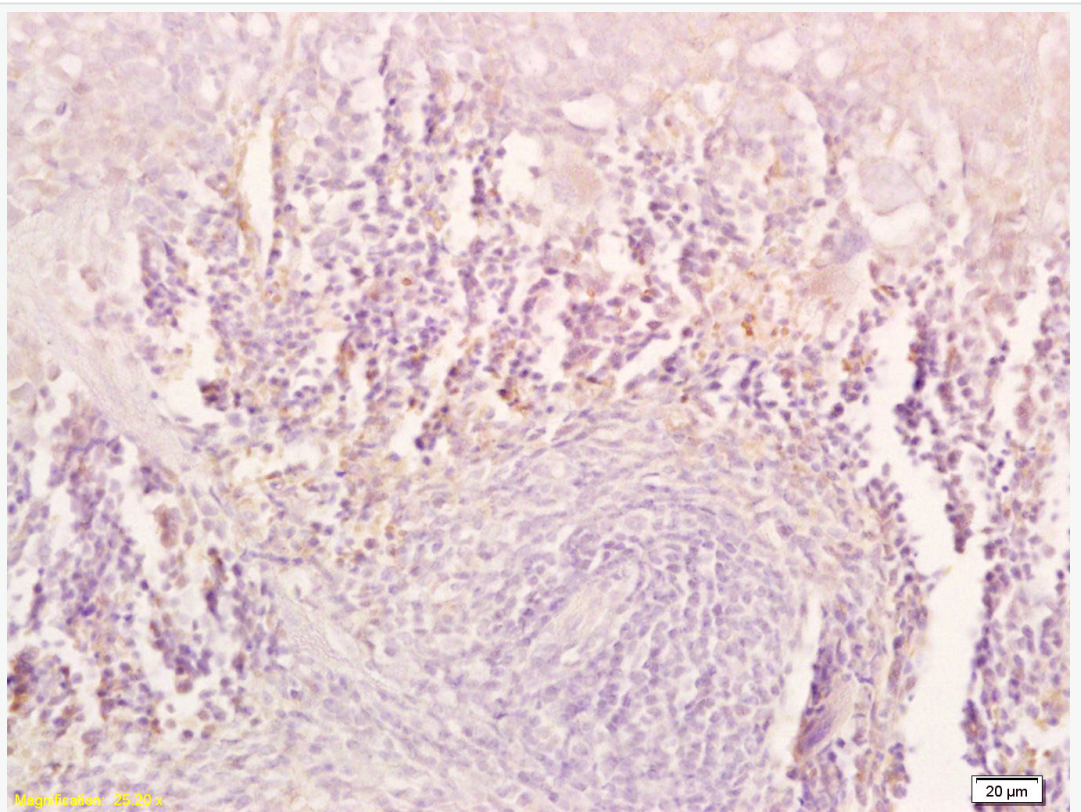
U251 Cell Lysate at 30 ug

Primary: rabbit Anti- TRAIL (SL1214R) at 1:300 dilution;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0295G-HRP) at 1:5000 dilution;

Predicted band size: 31 kD

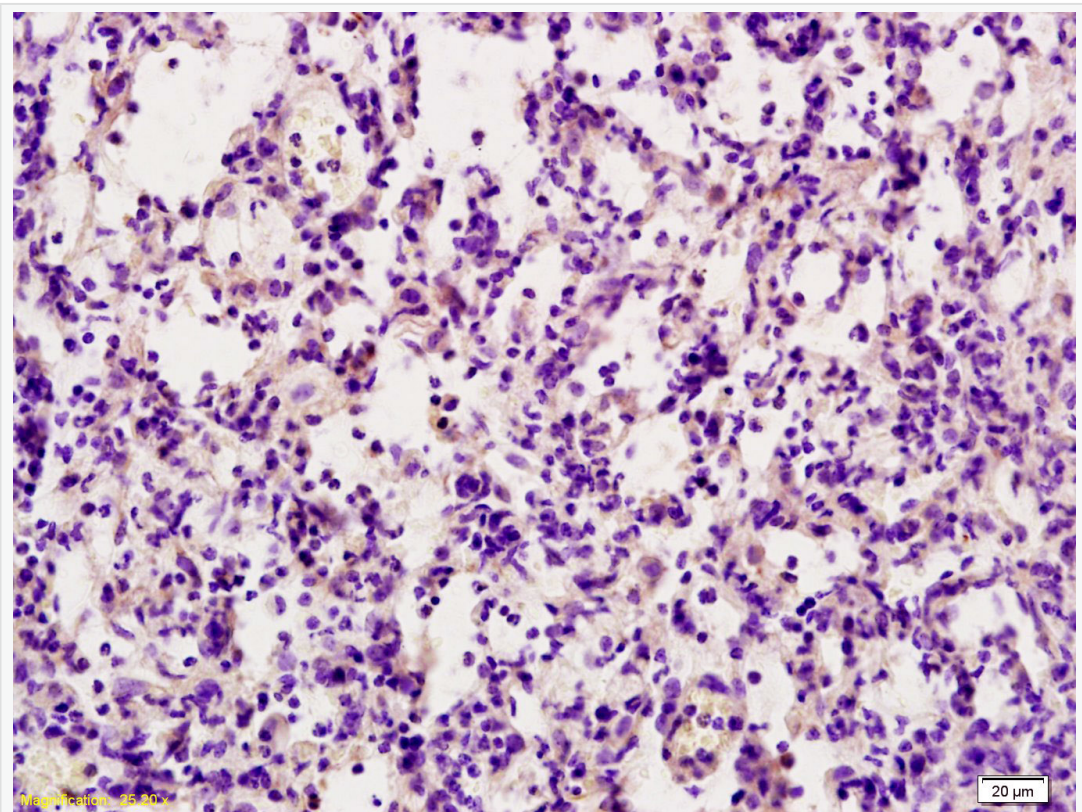
Observed band size: 26 kD



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

Antigen retrieval: citrate buffer (Human,Mouse,Rat1M, 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-TRAIL Polyclonal Antibody, Unconjugated(SL1214R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023)
and DAB(C-0010) staining



Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (Human,Mouse,Rat 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;



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Incubation: Anti-TRAIL Polyclonal Antibody, Unconjugated(SL1214R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining