SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TNFR1 antibody

Catalog Number: SL22306R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TNFR1
Immunogen:	KLH conjugated synthetic peptide derived from human TNFR1 : 81-180/455
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
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.
Reactivity:	Human
Predicted MW.:	50kDa
Subcellular Location:	The cell membrane Secretory protein
Background:	Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. **Function:** Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases)

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	mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. **Subcellular Location:** Cell membrane. Secreted. **Post-translational modifications:** The soluble form is produced from the membrane form by proteolytic processing. DISEASE: Defects in TNFRSF1A are the cause of familial hibernian fever (FHF) [MIM:142680]; also known as tumor necrosis factor receptor-associated periodic syndrome (TRAPS). FHF is a hereditary periodic fever syndrome characterized by recurrent fever, abdominal pain, localized tender skin lesions and myalgia. Reactive amyloidosis is the main complication and occurs in 25% of cases. **Similarity:** Contains 1 death domain. Contains 4 TNFR-Cys repeats. **Database links:** **Entrez Gene:** 282527 Cow **Entrez Gene:** 403634 Dog **Entrez Gene:** 7132 Human **Entrez Gene:** 21937 Mouse **Entrez Gene:** 397020 Pig **Entrez Gene:** 25625 Rat **Entrez Gene:** 100135698 Sheep Omim: 191190 Human **SwissProt:** O19131 Cow **SwissProt:** P19438 Human **SwissProt:** P25118 Mouse **SwissProt:** P50555 Pig **SwissProt:** P22934 Rat **Unigene:** 279594 Human **Unigene:** 713833 Human **Unigene:** 1258 Mouse **Unigene:** 11119 Rat

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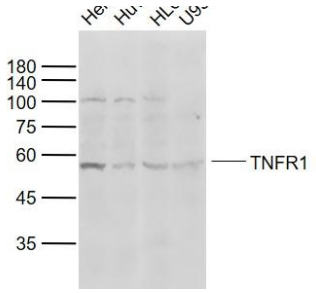
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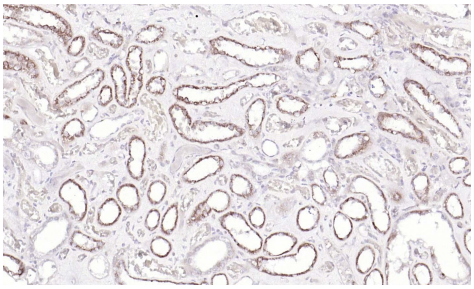
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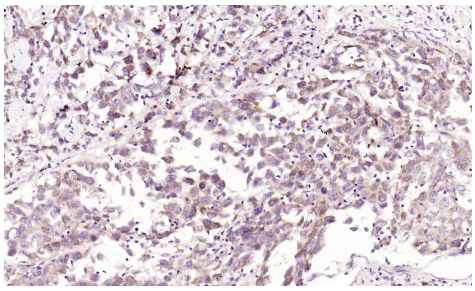
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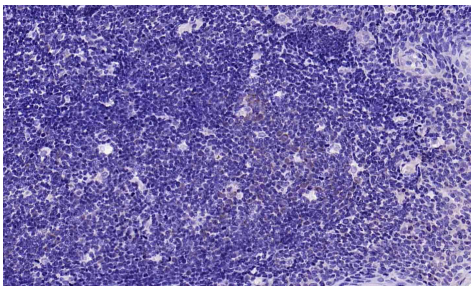
Sample:
Lane 1: Human Hela cell lysates
Lane 2: Human Huvec cell lysates
Lane 3: Human HL60 cell lysates
Lane 4: Human U937 cell lysates
Primary: Anti-TNFR1 (SL22306R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50 kD
Observed band size: 55 kD



Paraformaldehyde-fixed, paraffin embedded (Human kidney); 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 (TNFR1) Polyclonal Antibody, Unconjugated (SL22306R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); 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 (TNFR1) Polyclonal Antibody, Unconjugated (SL22306R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil); 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 (TNFR1) Polyclonal Antibody, Unconjugated (SL22306R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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