



TRAIL Polyclonal Antibody

Catalog No	YP-Ab-00578
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	TNFSF10
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human TNFSF10. AA range:31-80
Specificity	TRAIL Polyclonal Antibody detects endogenous levels of TRAIL protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TNFSF10;TRAIL;Apo-2 ligand;CD253;Protein TRAIL;Tumor necrosis factor ligand superfamily member 10;APO2L;Apo-2L;TNF-related apoptosis-inducing ligand
Observed Band	33kD
Calculated Molecular Weight	33kD
Cell Pathway	Cell membrane ; Single-pass type II membrane protein . Secreted . Exists both as membrane-bound and soluble form. .
Tissue Specificity	Widespread; most predominant in spleen, lung and prostate.
Function	cofactor: Binds 1 zinc ion per trimer.,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.,similarity: Belongs to the tumor necrosis factor family.,subunit: Homotrimer.,tissue specificity: Widespread; most predominant in spleen, lung and prostate.,

**Background**

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provi

matters needing attention

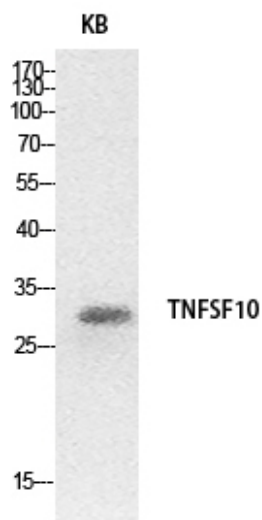
Avoid repeated freezing and thawing!

Usage suggestions

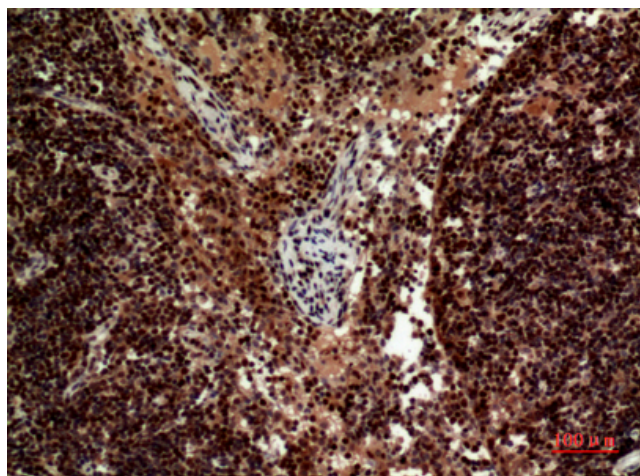
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



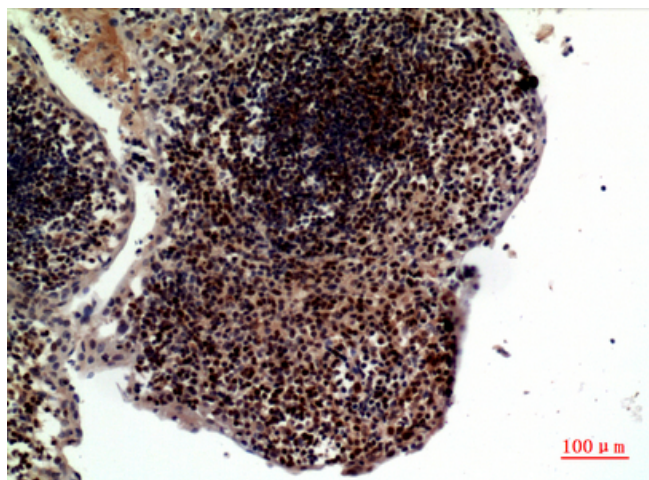
Products Images



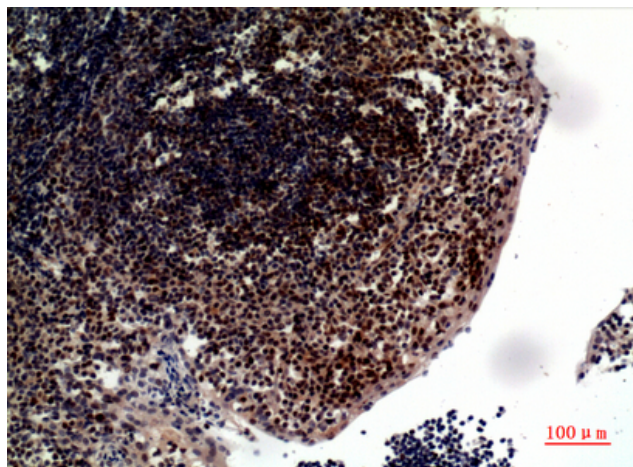
Western Blot analysis of HeLa cells using TRAIL Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-Lymph-nodes, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-tonsilla, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-tonsilla, antibody was diluted at 1:100