

Anti-TNFSF10 Antibody



Description

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.

Model	STJ114198
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human TNFSF10 (NP_003801.1).
Gene ID	8743
Gene Symbol	TNFSF10
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widespread

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Tumor necrosis factor ligand superfamily member 10 Apo-2 ligand Apo-2L TNF-related apoptosis-inducing ligand Protein TRAIL CD antigen CD253
Molecular Weight	32.509 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:11925 OMIM:603598 Reactome:R-HSA-140534
Alternative Names	Tumor necrosis factor ligand superfamily member 10 Apo-2 ligand Apo-2L TNF-related apoptosis-inducing ligand Protein TRAIL CD antigen CD253
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,
Cellular Localization	Membrane
Post-translational Modifications	Tyrosine phosphorylated by PKDCC/VLK,