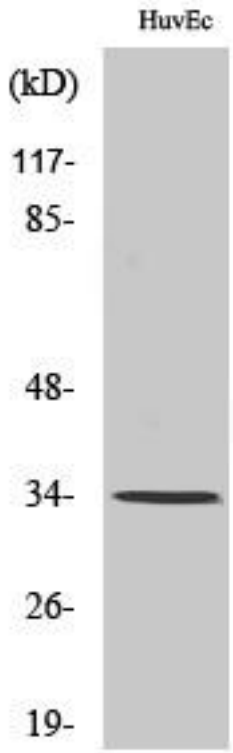
TRAIL Monoclonal Antibody

Catalog No	YP-mAb-00539
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	TNFSF10
Protein Name	Tumor necrosis factor ligand superfamily member 10
Immunogen	The antiserum was produced against synthesized peptide derived from human TNFSF10. AA range:31-80
Specificity	TRAIL Monoclonal Antibody detects endogenous levels of TRAIL protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TNFSF10; APO2L; TRAIL; Tumor necrosis factor ligand superfamily member 10; Apo-2 ligand; Apo-2L; TNF-related apoptosis-inducing ligand; Protein TRAIL; CD antigen CD253
Observed Band	30kD
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 various cells using TRAIL Monoclonal Antibody