

Product datasheet for **TA336381**

TRAIL (TNFSF10) Mouse Monoclonal Antibody [Clone ID: 55B709.3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	55B709.3
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry, Western Blot: 1-2 ug/ml, Immunohistochemistry-Paraffin: 5 ug/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	This monoclonal antibody was raised against a peptide corresponding to amino acids 17-35 of human TRAIL. This peptide sequence has been shown to be involved in TRAIL and DR5 (TRAIL-R2) interaction.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor superfamily member 10
Database Link:	NP_003801 Entrez Gene 8743 Human P50591



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Background:

Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors, TNFR1 and Fas. A novel member in the TNF family was recently identified and designated TRAIL (for TNF-related apoptosis-inducing ligand) and Apo-2L (for Apo-2 ligand) (6,7). TRAIL is a type II membrane protein and expressed in a variety of human tissues. Two novel death domain containing receptors DR4 and DR5 have been identified as the receptor for TRAIL3-6. Like TNF and Fas ligand, TRAIL induces apoptosis and NF- κ B activation in many tissues and cells.

Synonyms:

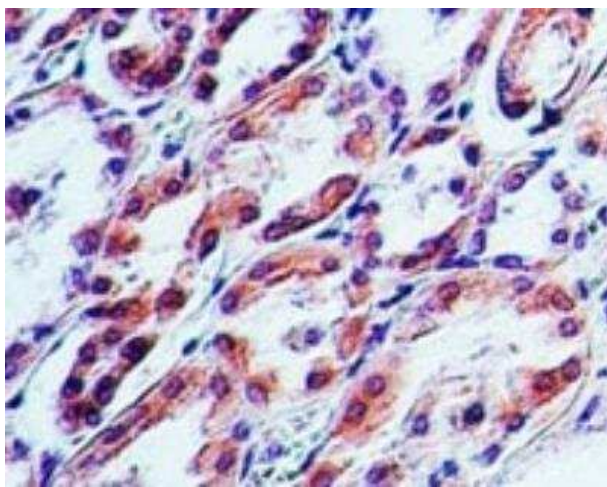
Apo-2L; APO2L; CD253; TL2; TRAIL

Protein Families:

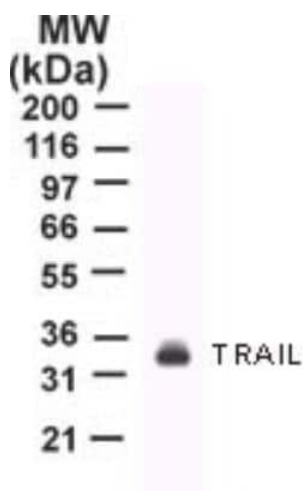
Druggable Genome, Transmembrane

Protein Pathways:

Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity

Product images:


Immunohistochemistry-Paraffin: TRAIL/TNFSF10 Antibody (55B709.3) TA336381 - Analysis of TRAIL in human kidney using TRAIL antibody at 5 μ g/ml.



Western Blot: TRAIL/TNFSF10 Antibody (55B709.3) TA336381 - Analysis of TRAIL in Jurkat lysate