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ARG54418
anti-CD253 / TRAIL antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD253 / TRAIL
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Specificity	This antibody recognizes human TRAIL.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD253 / TRAIL
Species	Human
Immunogen	Synthetic peptide corresponding to aa 261-277 of human TRAIL (accession no. NP_003801).
Conjugation	Un-conjugated
Alternate Names	TL2; CD253; Protein TRAIL; TNF-related apoptosis-inducing ligand; TRAIL; CD antigen CD253; Apo-2 ligand; Apo-2L; APO2L; Tumor necrosis factor ligand superfamily member 10

Application Instructions

Application table

Application	Dilution
ICC/IF	Assay-dependent
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HeLa and Human brain

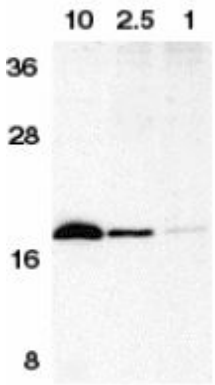
Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

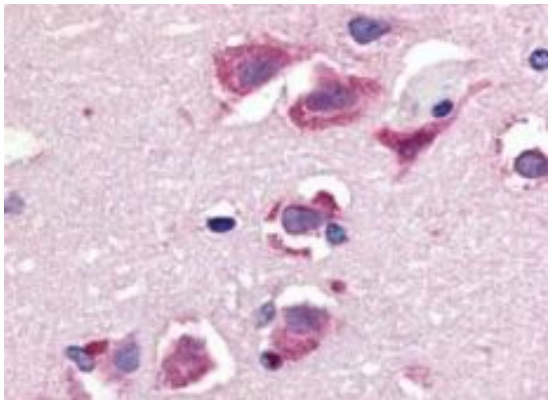
Database links	GeneID: 8743 Human Swiss-port # P50591 Human
Gene Symbol	TNFSF10
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 10
Background	Apoptosis is induced by certain cytokines including TNF and Fas ligand of the TNF family through their death domain-containing receptors, TNFR1 and Fas. A novel member of the TNF family has been identified and designated TRAIL (TNF-related apoptosis-inducing ligand) and Apo-2L (Apo-2 ligand). 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 TRAIL. Like TNF and Fas ligand, TRAIL induces apoptosis and NF- B activation in many tissues and cell types.
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. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody
Calculated Mw	33 kDa
PTM	Tyrosine phosphorylated by PKDCC/VLK.

Images



ARG54418 anti-CD253 / TRAIL antibody WB image

Western blot: 10, 2.5, or 1ng of recombinant extracellular domain of TRAIL stained with ARG54418 anti-CD253 / TRAIL antibody at 1 µg/ml dilution.



ARG54418 anti-CD253 / TRAIL antibody IHC image

Immunohistochemistry: Human brain stained with ARG54418 anti-CD253 / TRAIL antibody at 20 µg/ml dilution.