

ARG56642 anti-CD253 / TRAIL antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD253 / TRAIL
Tested Reactivity	Hu, Rat
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD253 / TRAIL
Species	Human
Immunogen	E.coli derived Recombinant Human sTRAIL. (MRERGPQRVA AHITGTRGRS NTLSSPNSKN EKALGRKINS WESSRSGHSF LSNLHLRNGE LVIHEKGFYY IYSQTYFRFQ EEIKENTKND KQMVQYIYKY TSYDPILLM KSARNCSWSK DAEYGLYSIY QGGIFELKEN DRIFVSVTNE HLIDMDHEAS FFGAFLVG)
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
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56752 as a detection antibody
	IHC-P	0.25 µg/ml
	Neut	150 ng/ml (To yield [ND50] of the biological activity of Human sTRAIL/Apo2L (10.0 ng/ml))
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
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

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. [provided by RefSeq, Jul 2010]

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]

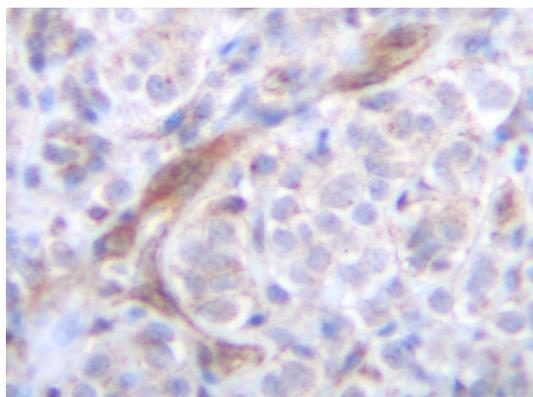
Calculated Mw

33 kDa

PTM

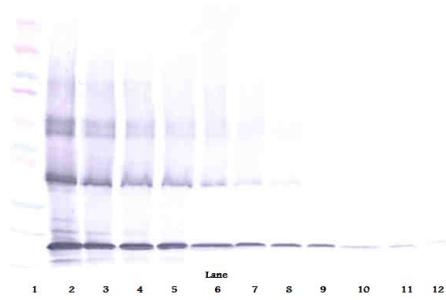
Tyrosine phosphorylated by PKDCC/VLK.

Images



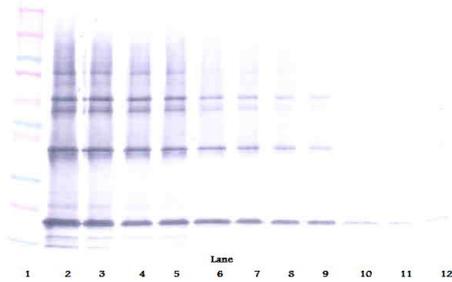
ARG56642 anti-CD253 / TRAIL antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human metastatic carcinoma of lymph node from breast tissue. The recommended ARG56642 anti-CD253 / TRAIL antibody concentration is 0.25 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



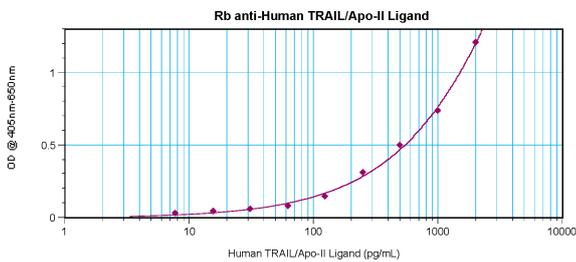
ARG56642 anti-CD253 / TRAIL antibody WB image

Western blot: 250 - 0.24 ng of Human sTRAIL/Apo2L stained with ARG56642 anti-CD253 / TRAIL antibody, under reducing conditions.



ARG56642 anti-CD253 / TRAIL antibody WB image

Western blot: 250 - 0.24 ng of Human sTRAIL/Apo2L stained with ARG56642 anti-CD253 / TRAIL antibody, under non-reducing conditions.



ARG56642 anti-CD253 / TRAIL antibody standard curve image

Sandwich ELISA: ARG56642 anti-CD253 / TRAIL antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56752 anti-CD253 / TRAIL antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.