

ARG54329
anti-CD261 / TRAIL R1 antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD261 / TRAIL R1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Specificity	This antibody recognizes human DR4 (57kDa).
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD261 / TRAIL R1
Species	Human
Immunogen	Peptide around aa. 1-20 of human DR4 mature protein (NP_003835.3).
Conjugation	Un-conjugated
Alternate Names	TNF-related apoptosis-inducing ligand receptor 1; CD antigen CD261; TRAILR-1; DR4; Tumor necrosis factor receptor superfamily member 10A; CD261; Death receptor 4; APO2; TRAIL receptor 1; TRAIL-R1; TRAILR1

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, K562 and Jurkat	

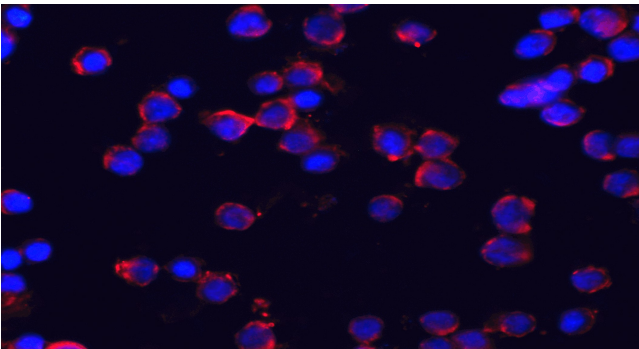
Properties

Form	Liquid
Purification	Purified by affinity chromatography.
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

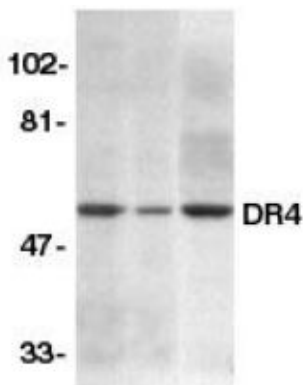
Database links	GeneID: 8797 Human Swiss-port # O00220 Human
Gene Symbol	TNFRSF10A
Gene Full Name	tumor necrosis factor receptor superfamily, member 10a
Background	Apoptosis is induced by certain cytokines including TNF and Fas ligand of the TNF family through their death domain-containing receptors, TNFR1 and Fas. Another cell death receptor was recently identified and designated DR4 (for death receptor 4). The ligand for DR4 has been designated TRAIL and is a new member of the TNF family. Therefore, DR4 is also called TRAIL receptor-1. DR4 is expressed in most human tissues including spleen, peripheral blood, small intestine, and thymus. Like TNFR1, Fas and DR3, DR4 mediates TRAIL-induced apoptosis and NF- B activation in many tissues and cells.
Function	Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa-B. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Immune System antibody
Calculated Mw	50 kDa

Images



ARG54329 anti-CD261 / TRAIL R1 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG54329 anti-CD261 / TRAIL R1 antibody at 5 µg/mL dilution.



ARG54329 anti-CD261 / TRAIL R1 antibody WB image

Western blot: HeLa, K562 and Jurkat stained with ARG54329 anti-CD261 / TRAIL R1 antibody at 2 µg/ml dilution.