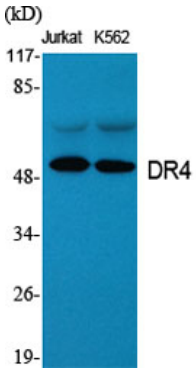
DR4 Polyclonal Antibody

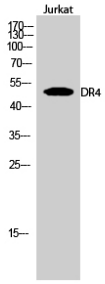
Catalog No	YP-Ab-13198
Isotype	IgG
Reactivity	Human;Monkey
Applications	WB;IF;ELISA
Gene Name	TNFRSF10A
Immunogen	The antiserum was produced against synthesized peptide derived from human TNFRSF10A. AA range:401-450
Specificity	DR4 Polyclonal Antibody detects endogenous levels of DR4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	APO2;CD261;Death receptor 4;TNF-related apoptosis-inducing ligand receptor 1;TNFRSF10A;DR4;Tumor necrosis factor receptor superfamily member 10A;TRAILR1;TRAIL receptor 1;TRAIL-R1;CD antigen CD261
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Membrane raft . Cytoplasm, cytosol . Palmitoylation is required for association with membranes. .
Tissue Specificity	Widely expressed. High levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K-562 erythroleukemia cells, MCF-7 breast carcinoma cells and activated T-cells.
Function	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., similarity:Contains 1 death domain.,similarity:Contains 3 TNFR-Cys repeats., subunit:Can interact with TRADD and RIP. Interacts with ARAP1.,tissue

	specificity:Widely expressed. High levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K562 erythroleukemia cells, MCF7 breast carcinoma cells and activated T-cells.,
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL), and thus transduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. [provided by RefSeq, Jul 2008],
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.

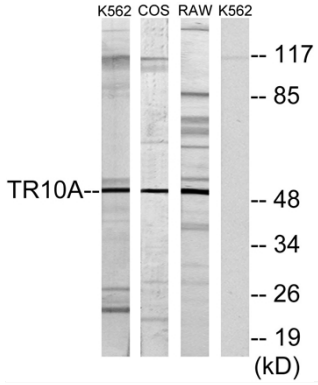
Products Images



Western Blot analysis of various cells using DR4 Polyclonal Antibody



Western Blot analysis of Jurkat cells using DR4 Polyclonal Antibody



Western blot analysis of lysates from K562 cells, COS7 cells, and RAW264.7 cells, using TR10A Antibody . The lane on the right is blocked with the synthesized peptide.