



# DR4 Monoclonal Antibody

<b>Catalog No</b>	BYmab-13198
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Monkey
<b>Applications</b>	WB
<b>Gene Name</b>	TNFRSF10A
<b>Protein Name</b>	Tumor necrosis factor receptor superfamily member 10A
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TNFRSF10A. AA range:401-450
<b>Specificity</b>	DR4 Monoclonal Antibody detects endogenous levels of DR4 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TNFRSF10A; APO2; DR4; TRAILR1; Tumor necrosis factor receptor superfamily member 10A; Death receptor 4; TNF-related apoptosis-inducing ligand receptor 1; TRAIL receptor 1; TRAIL-R1; CD antigen CD261
<b>Observed Band</b>	50kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein . Membrane raft . Cytoplasm, cytosol . Palmitoylation is required for association with membranes. .
<b>Tissue Specificity</b>	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.
<b>Function</b>	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

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#### 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],

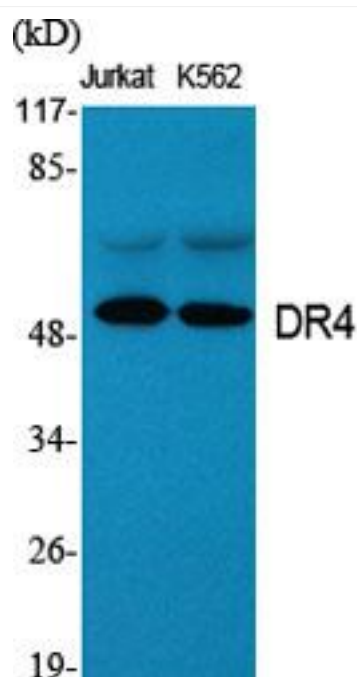
#### matters needing attention

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 Monoclonal Antibody