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DR4 Polyclonal Antibody

Catalog # AP69593

Product Information

Application	WB, IF, ICC, E
Primary Accession	O00220
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50089

Additional Information

Gene ID	8797
Other Names	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
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

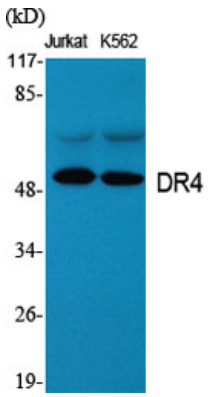
Name	TNFRSF10A
Synonyms	APO2, DR4, TRAILR1
Function	Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed: 26457518, PubMed:38532423). The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis (PubMed:19090789). Promotes the activation of NF-kappa-B (PubMed:9430227).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Membrane raft. Cytoplasm, cytosol. Note=Palmitoylation is required for association with membranes.
Tissue Location	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

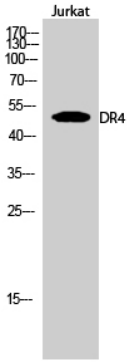
Background

Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed: 26457518). 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.

Images



Western Blot analysis of various cells using DR4 Polyclonal Antibody



Western Blot analysis of Jurkat cells using DR4 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.