



## Rabbit Anti-DR4 antibody

SL0591R

<b>Product Name:</b>	DR4
<b>Chinese Name:</b>	死亡受体4抗体
<b>Alias:</b>	Apo 2; Apo2; CD 261; CD261; CD261 antigen; Cytotoxic ligand TRAIL receptor; Cytotoxic TRAIL receptor; Death receptor 4; DR 4; DR4; MGC9365; NF related apoptosis-inducing ligand receptor 1; T10A; TNF related apoptosis inducing ligand receptor 1; TNFRSF10A; TRAIL R1; TRAIL receptor 1; TRAILR 1; TRAILR1; Tumor necrosis factor receptor superfamily member 10a; Tumor necrosis factor receptor superfamily member 10A precursor; TR10A HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	48kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human DR4:401-468/468
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by certain cytokines

including TNF and Fas ligand of the TNF family through their death domain containing receptors, TNFR1 and Fas. A novel cell death receptor was recently identified and designated DR4 (for death receptor 4). The ligand for this novel death receptor has been identified and termed TRAIL, which is a new member in the TNF family. DR4 is also called TRAIL receptor 1 (TRAIL R1). DR4 is expressed in most of human tissues including spleen, peripheral blood leukocytes, small intestine and thymus. Like TNFR1, Fas and DR3, DR4 mediates apoptosis and NF- $\kappa$ 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.

**Subunit:**

Can interact with TRADD and RIPK1. Interacts with ARAP1.

**Subcellular Location:**

Membrane; Single-pass type I membrane protein.

**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.

**Similarity:**

Contains 1 death domain.  
Contains 3 TNFR-Cys repeats.

**SWISS:**

O00220

**Gene ID:**

8797

**Database links:**

[Entrez Gene: 8797](#) Human

[Omim: 603611](#) Human

[SwissProt: O00220](#) Human

[Unigene: 213467](#) Human

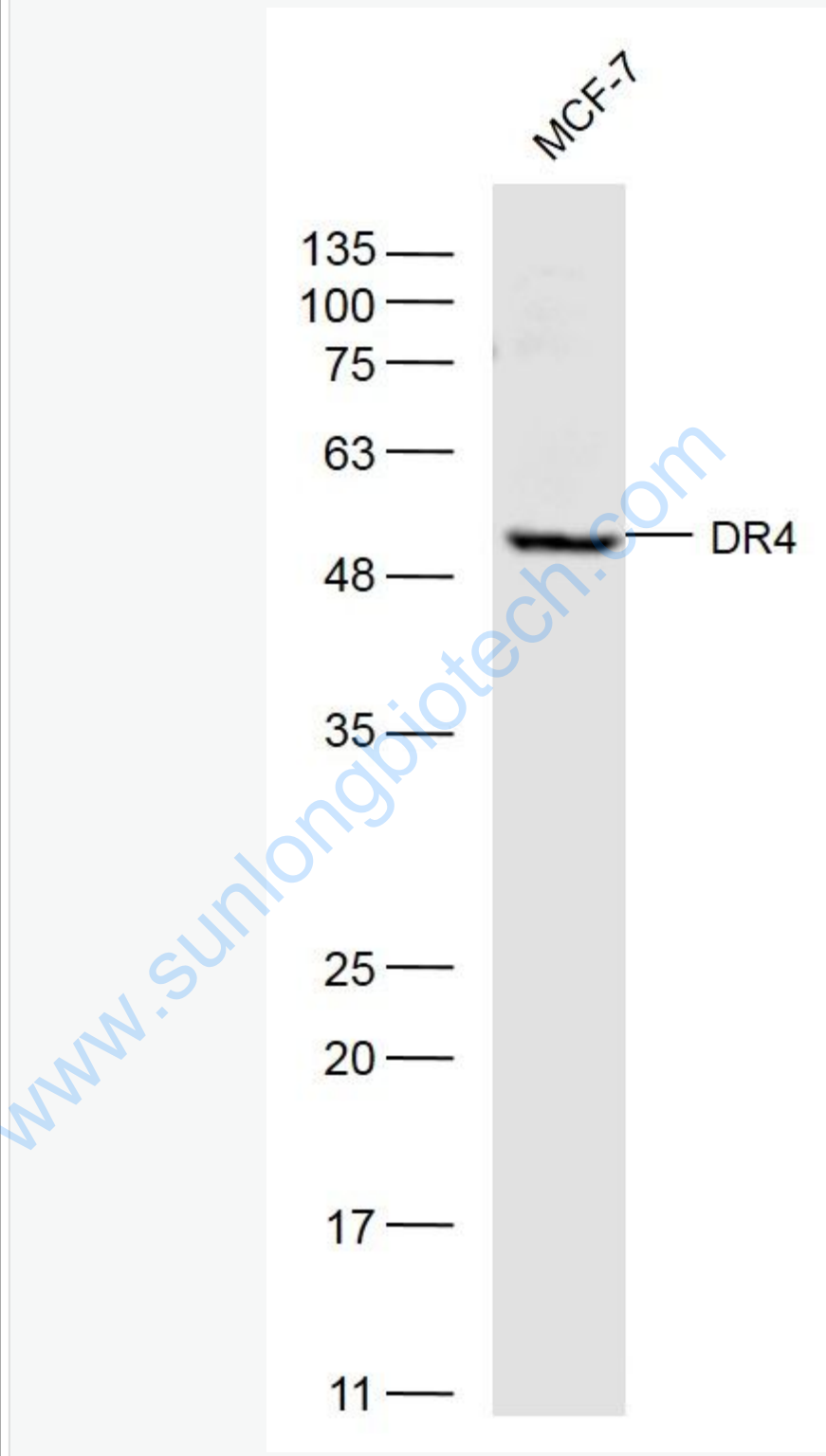
[Unigene: 591834](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)

Picture:



Sample:

K562(Human) Cell Lysate at 40 ug

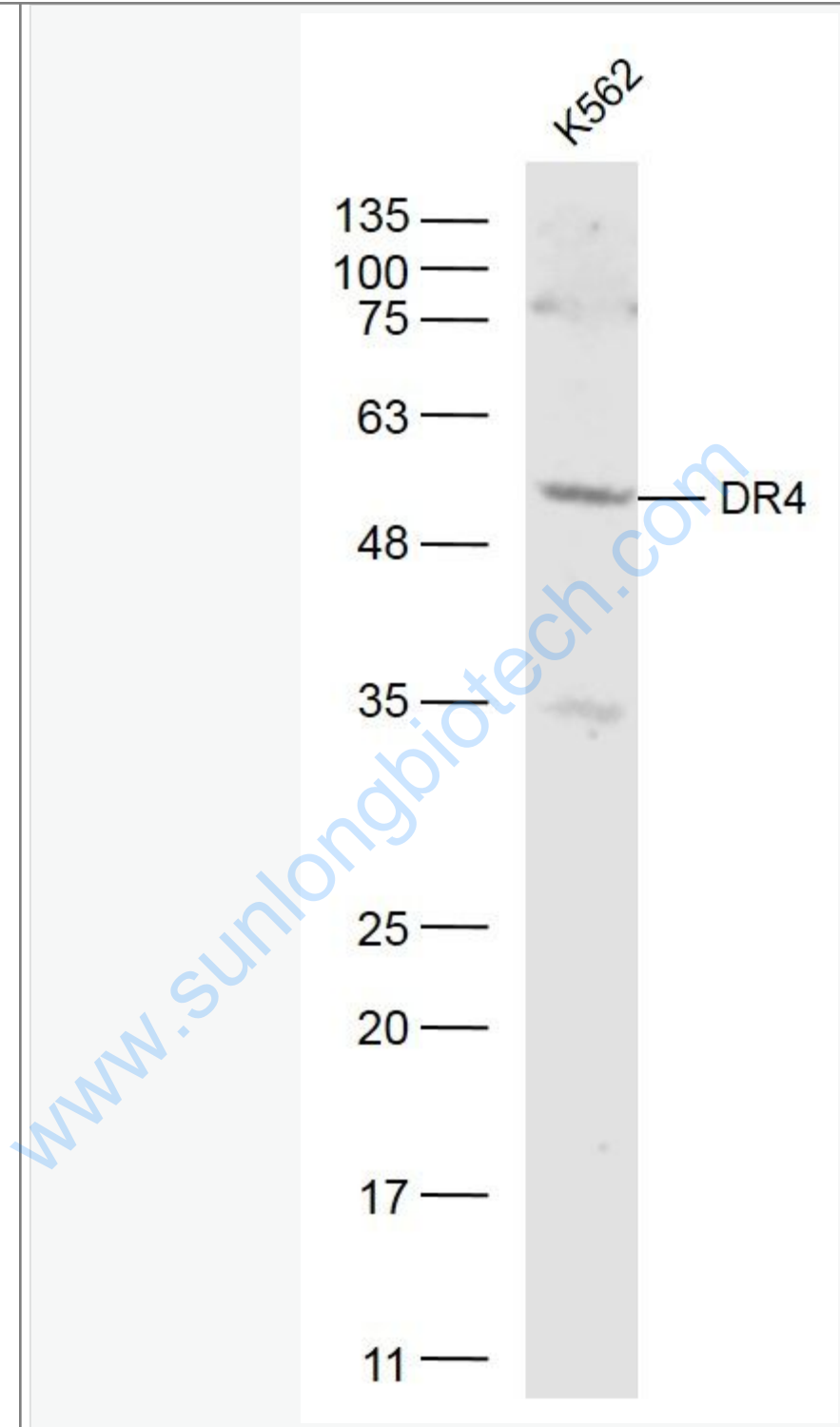
Primary: Anti- DR4 (SL0591R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 48 kD

Observed band size: 50 kD

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Sample:

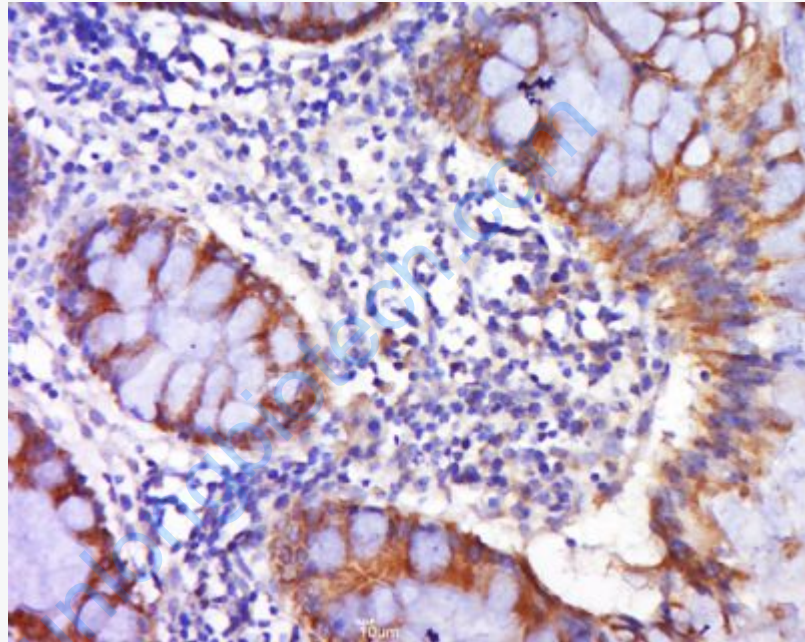
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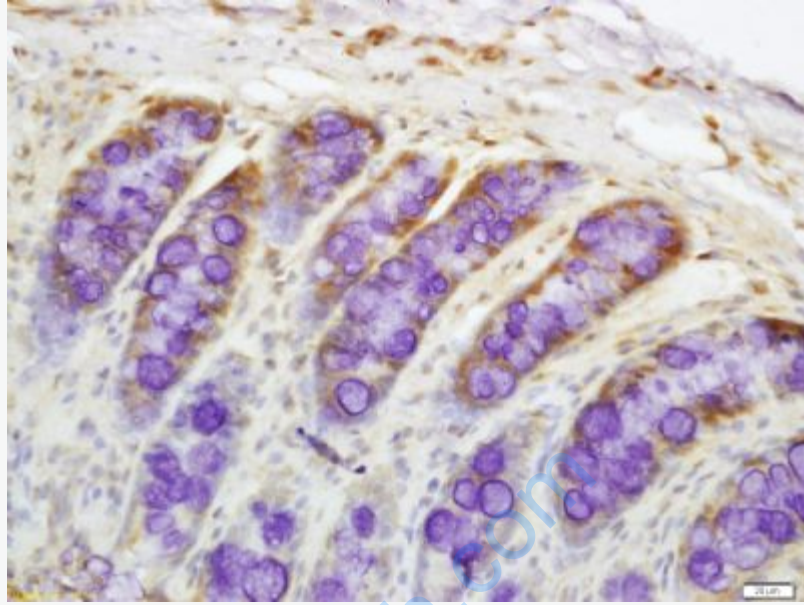
Observed band size: 50 kD



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-DR4 Polyclonal Antibody, Unconjugated(SL0591R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat colon tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-TRAILR1 Polyclonal Antibody, Unconjugated(SL0591R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining