



[Go to Product page](#)

Datasheet for ABIN6990419  
**anti-DR4 antibody (C-Term)**

### Overview

Quantity:	0.1 mg
Target:	DR4
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DR4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	Anti-DR4 antibody was raised against a peptide corresponding to 19 amino acids near the carboxy terminus of human DR4. The immunogen is located within the last 50 amino acids of DR4.
Isotype:	IgG
Specificity:	DR4 antibody has no cross reaction to DR5
Purification:	DR4 Antibody is Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	DR4
Alternative Name:	DR4 ( <a href="#">DR4 Products</a> )

## Target Details

---

**Background:** DR4 Antibody: 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 in the TNF family through their death domain containing receptors, TNFR1 and Fas. A novel death domain containing receptor was recently identified and designated DR4 (for death receptor 4). The ligand for this novel death receptor has been identified and termed TRAIL2, 3, 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.

**Molecular Weight:** Predicted: 50kD  
Observed: 55kD (Post-modification: 1 N-linked glycosylation) kDa

**Gene ID:** 8797

**UniProt:** [O00220](#)

**Pathways:** [Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#)

## Application Details

---

**Application Notes:** WB: 1  $\mu$ g/mL, IHC-P: 10  $\mu$ g/mL, IHC: 10  $\mu$ g/mL, IF: 20  $\mu$ g/mL.

Antibody validated: Western Blot in human, mouse and rat samples, Immunohistochemistry in human samples, Immunocytochemistry in human samples and Immunofluorescence in human and rat samples. All other applications and species not yet tested.

**Restrictions:** For Research Use only

## Handling

---

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** DR4 Antibody is supplied in PBS containing 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

---

Storage: -20 °C, 4 °C

---

Storage Comment: DR4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.