

## Product datasheet for **TA305966**

### DR4 (TNFRSF10A) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC, IF, WB
Recommended Dilution:	WB: 1-4 µg/mL; ICC: 2 µg/mL; IF: 5 µg/mL. Antibody validated: Western Blot in human and mouse samples; Immunocytochemistry in human samples and Immunofluorescence in human and rat samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DR4 antibody was raised against a 20 amino acid peptide near the amino terminus of human DR4. The immunogen is located within the first 50 amino acids of DR4.
Specificity:	DR4 antibody has no cross reaction to DR5.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	DR4 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor receptor superfamily member 10a
Database Link:	<a href="#">AAC51226</a> <a href="#">Entrez Gene 8797 Human</a> <a href="#">O00220</a>



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**Background:**

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)<sup>1</sup>. The ligand for this novel death receptor has been identified and termed TRAIL<sup>2,3</sup>, which is a new member in the TNF family. DR4 is also called TRAIL receptor-1 (TRAIL-R1)<sup>4</sup>. 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-kappaB activation in many tissues and cells.

**Synonyms:**

APO2; CD261; DR4; TRAILR-1; TRAILR1