

## Product datasheet for **AP31096PU-S**

### DR5 (TNFRSF10B) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Sandwich ELISA:</b> To detect Human sTRAIL Receptor-2 by Sandwich ELISA (using 100µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human sTRAIL Receptor-2 (AP31096BT-N or AP31096BT-S) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human sTRAIL Receptor-2. <b>Western Blot:</b> To detect Human sTRAIL Receptor-2 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human sTRAIL Receptor-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant Human soluble TRAIL Receptor-2.
Specificity:	Recognizes sTRAIL Receptor-2.
Formulation:	PBS, pH 7.2 without preservatives State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing an immobilized Human sTRAIL Receptor-2 matrix
Conjugation:	Unconjugated
Storage:	Store the lyophilized antibody at -20°C. Following reconstitution it is stable for two weeks at 2-8°C. Frozen aliquots are stable for 6 months when stored at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily member 10b



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**Database Link:** [Entrez Gene 8795 Human](#)  
[O14763](#)

**Background:** Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. TRAIL/Apo2L is a new member of the TNF family. DR4 was recently identified as the receptor for TRAIL. A novel death domain containing receptor for TRAIL was more recently identified and designated DR5, Apo2, TRAIL-R2, TRICK2, or KILLER by several groups independently. Like DR4, DR5 transcript is widely expressed in normal tissues and in many types of tumor cells. DR5 binds to TRAIL and mediates TRAIL induced cell death. Overexpression of DR5 induces apoptosis and activates NF-kB.

**Synonyms:** TNFRSF10B, DR5, KILLER, TRICK2, ZTNFR9, Death receptor 5, TRAIL receptor 2, TRAIL-R2

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity, p53 signaling pathway