

Product datasheet for **AP26338PU-N**

DR3 (TNFRSF25) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 0.5-4 µg/ml. <i>Positive Control:</i> Jurkat cell lysate, 3T3 cell lysate, and Rat kidney lysate. Immunohistochemistry: 5 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to residues surrounding amino acids 378 of Mouse DR3
Specificity:	The antibody detects a ~48 kDa DR3 in samples from Human, Mouse, and Rat origins. Other species not tested.
Formulation:	PBS State: Aff - Purified State: Liquid purified IgG fraction Stabilizer: 0.5% BSA, 30% Glycerol Preservative: 0.01% Thimerosal
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily member 25
Database Link:	<u>Entrez Gene 85030 Mouse</u> <u>Entrez Gene 500592 Rat</u> <u>Entrez Gene 8718 Human Q93038</u>



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Background:	Apoptosis can be induced by certain cytokines including TNF and Fas in the TNF superfamily through interaction with their death domain (DD) containing receptors, TNFR1 and Fas. A member of the TNF receptor family was recently identified and designated DR3 (also called Wal-1, Apo3, TRAMP and LARD). The ligand for this novel death receptor has been defined as TWEAK (also termed Apo3L). Like TNFR1, overexpression of DR3 triggers apoptosis and NF- κ B activation. Activation of DR3 results in recruitment of TRADD (a DD containing adapter molecule). TRADD associates with FADD, TRAF2, and RIP to activate the signaling complex for NF- κ B activation. DR3 activates apoptosis through TRADD, FADD, and caspase-8. DR3 is highly expressed in the tissues enriched in lymphocytes including peripheral blood leucocytes (PBL), thymus and spleen.
Synonyms:	APO3, DDR3, TNFRSF12, WSL, WSL1, Apo-3, AIR, Death receptor 3, LARD, Protein WSL, Protein WSL-1
Note:	Blocking peptide is available separately
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction