

**DR3/Apo3 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10043****Specification**

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**DR3/Apo3 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q8VD70</a>
Other Accession	<a href="#">AAH17526</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

**DR3/Apo3 Antibody - Additional Information**

Application & Usage	Western blot analysis (0.5-4 µg/ml) and Immunohistochemistry (5 µg/ml). However, the optimal conditions should be determined individually.
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**Other Names**

WAL-1, APO-3, TRAMP, LARD

**Target/Specificity**

DR3/Apo3

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) antigen affinity-purified rabbit anti-DR3/Apo3 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

DR3/Apo3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

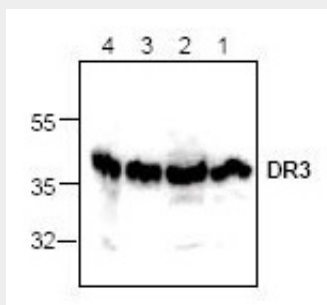
## DR3/Apo3 Antibody - Protein Information

## DR3/Apo3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## DR3/Apo3 Antibody - Images



Western blot analysis of DR3 expression in lysate from Jurkat cells (Lane 1,2), 3T3 cells (Lane 3) and rat kidney (Lane 4).

## DR3/Apo3 Antibody - 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- $\kappa$ 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- $\kappa$ 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.