10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

DR3/Apo3 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10043

Specification

DR3/Apo3 Antibody - Product Information

Application	**WB**
Primary Accession	Q8VD70
Other Accession	AAH17526
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.**

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.

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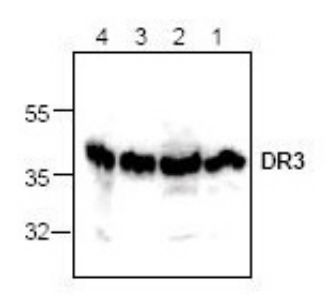
DR3/Apo3 Antibody - Protein Information

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 Cytomety
- 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 thro µgh 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-kB 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-kB activation. DR3 activates apoptosis thro µgh TRADD, FADD, and caspase-8. DR3 is highly expressed in the tissues enriched in lymphocytes including peripheral blood leucocytes (PBL), thymus and spleen.