

**DR3 Antibody**  
**Catalog # ASC10027****Specification**

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**DR3 Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">Q93038</a>
Other Accession	<a href="#">AAQ88676</a> , <a href="#">8718</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	59 kDa KDa
Application Notes	DR3 antibody can be used for detection of DR3 expression by Western blot at 1 µg/mL. 59 kDa band should be detected. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL.

**DR3 Antibody - Additional Information**Gene ID **8718****Other Names**

DR3 Antibody: DR3, TR3, DDR3, LARD, APO-3, TRAMP, WSL-1, WSL-LR, TNFRSF12, APO3, DR3, WSL, WSL1, UNQ455/PRO779, Tumor necrosis factor receptor superfamily member 25, Apo-3, tumor necrosis factor receptor superfamily, member 25

**Target/Specificity**

DR3 antibody was raised against a peptide corresponding to amino acids in extracellular domain of human DR3 precursor.<br><br>The immunogen is located within amino acids 50 - 100 of DR3.

**Reconstitution & Storage**

DR3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

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

**DR3 Antibody - Protein Information****Name** TNFRSF25**Synonyms** APO3, DDR3, DR3, TNFRSF12, WSL, WSL1**Function**

Receptor for TNFSF12/APO3L/TWEAK. Interacts directly with the adapter TRADD. Mediates activation of NF-kappa-B and induces apoptosis. May play a role in regulating lymphocyte homeostasis.

#### **Cellular Location**

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 9]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Secreted. [Isoform 5]: Secreted. [Isoform 7]: Secreted. [Isoform 10]: Secreted.

#### **Tissue Location**

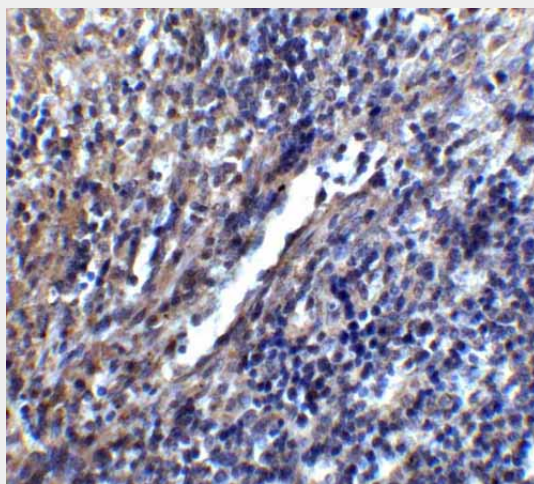
Abundantly expressed in thymocytes and lymphocytes. Detected in lymphocyte-rich tissues such as thymus, colon, intestine, and spleen. Also found in the prostate

### **DR3 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 Antibody - Images**



Immunohistochemistry of STIM1 in mouse spleen tissue with STIM1 antibody at 5 µg/ml.

### **DR3 Antibody - Background**

DR3 Antibody: 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 of the TNF family through their death domain containing receptors, TNFR1 and Fas. A novel cell death receptor was recently identified by several groups independently and designated DR3, Wsl-1, Apo-3, TRAMP and LARD1-5. The ligand for this novel death receptor has been defined as TWEAK, also termed Apo3L. DR3 is highly expressed in the tissues enriched in lymphocytes including PBL, thymus and spleen. Like TNFR1, DR3 induces apoptosis and NF-κB

activation.

### **DR3 Antibody - References**

Chinnaiyan AM; O'Rourke K; Yu GL; Lyons RH; Garg M; Duan DR; Xing L; Gentz R; Ni J; Dixit VM. Science, 1996;274:990-2.

Kitson J; Raven T; Jiang YP; Goeddel DV; Giles KM; Pun KT; Grinham CJ; Brown R; Farrow SN. Nature, 1996;384:372-5.

Marsters SA; Sheridan JP; Donahue CJ; Pitti RM; Gray CL; Goddard AD; Bauer KD; Ashkenazi A. Curr Biol, 1996;6:1669-76.

Bodmer JL; Burns K; Schneider P; Hofmann K; Steiner V; Thome M; Bornand T; Hahne M; Schroter M; Becker K; et al. Immunity, 1997;6:79-88.