

DR3 Antibody
Catalog # ASC10031**Specification**

DR3 Antibody - Product Information

Application	WB, E
Primary Accession	Q93038
Other Accession	AAQ88676 , 8718
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 by Western blot 1 µg/mL. A 59 kDa band can be detected.

DR3 Antibody - Additional InformationGene 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 16 amino acid peptide near the amino terminus of human DR3. The immunogen is located within the first 50 amino acids 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.

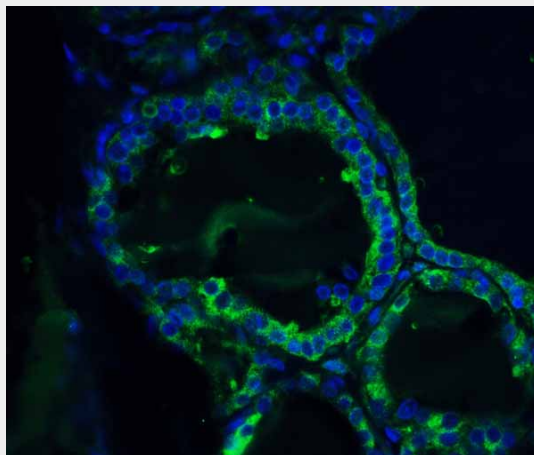
Tissue Location

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

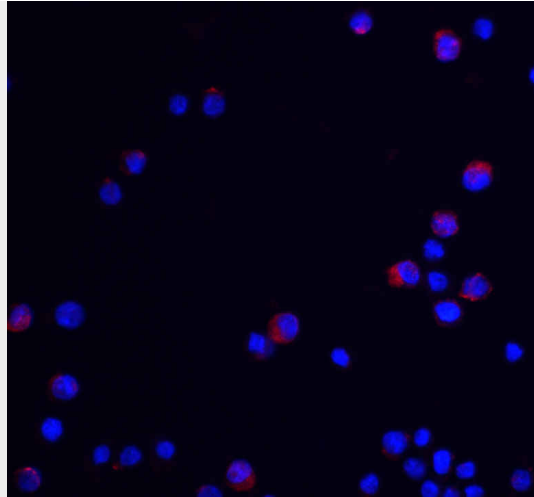
DR3 Antibody - Protocols

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

Immunofluorescence of ORAI1 in human spleen tissue with ORAI1 antibody at 5 µg/ml.



Immunofluorescence of UBAP2L in HeLa cells with UBAP2L antibody at 20 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.