DR3 (H-300): sc-7909



The Power to Question

BACKGROUND

Tumor necrosis factor (TNF)-related cytokines are pleiotropic factors that initiate various cellular processes including cell death, proliferation and differentiation. Their effects are mediated by a family of receptors which includes TNF-R1, TNF-R2, NGFR (nerve growth factor receptor) and FAS. The members of this family are type I membrane receptors and are charaterized by the presence of cysteine-rich repeats in their extracellular domains. Several of these receptors, including TNF-R1 and FAS, contain a region of intracellular homology, designated the death domain, known to signal apoptosis. A new death domain member of this family, DR3 (also designated Wsl-1, APO-3, TRAMP and LARD) has been shown to induce apoptosis and activation of NF κ B. DR3 is most similar in sequence to TNF-R1, but is more restricted in tissue distribution. DR3 is highly expressed in thymocytes and lymphocytes.

CHROMOSOMAL LOCATION

Genetic locus: TNFRSF25 (human) mapping to 1p36.31; Tnfrsf25 (mouse) mapping to 4 E2.

SOURCE

DR3 (H-300) is a rabbit polyclonal antibody raised against amino acids 1-300 of DR3 of human origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

DR3 (H-300) is recommended for detection of DR3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for DR3 siRNA (h): sc-35216, DR3 siRNA (m): sc-35217, DR3 shRNA Plasmid (h): sc-35216-SH, DR3 shRNA Plasmid (m): sc-35217-SH, DR3 shRNA (h) Lentiviral Particles: sc-35216-V and DR3 shRNA (m) Lentiviral Particles: sc-35217-V.

Molecular Weight (predicted) of DR3: 45 kDa

Molecular Weight (observed) of DR3: 56-70 kDa.

Positive Controls: C32 whole cell lysate: sc-2205, HeLa whole cell lysate: sc-2200 or IMR-32 cell lysate: sc-2409.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

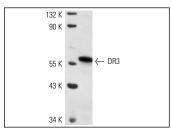
PROTOCOLS

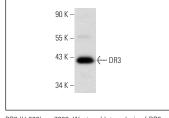
See our web site at www.scbt.com or our catalog for detailed protocols and support products.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

DATA





DR3 (H-300): sc-7909. Western blot analysis of DR3 expression in C32 whole cell lysate.

DR3 (H-300): sc-7909. Western blot analysis of DR3 expression in IMR-32 whole cell lysate.

SELECT PRODUCT CITATIONS

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Try **DR3 (B-8):** sc-374203 or **DR3 (D3 2-1-1):** sc-53974, our highly recommended monoclonal alternatives to DR3 (H-300).