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Datasheet for 200-401-AX3

DR3 Antibody

Overview

Description:	Anti-DR3 (RABBIT) Antibody - 200-401-AX3
Item No.:	200-401-AX3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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-kB activation.
Synonyms:	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
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TNFRSF25
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DR3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids in extracellular domain of human DR3 precursor.

Purity/Specificity:	Anti-DR3 Antibody is affinity chromatography purified via peptide column. Cross reactivity with DR3 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q93038 • GeneID - 8718 • NCBI - AAQ88676

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DR3 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 45 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

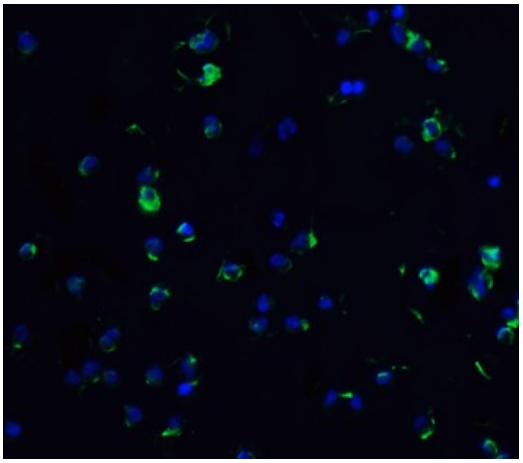
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

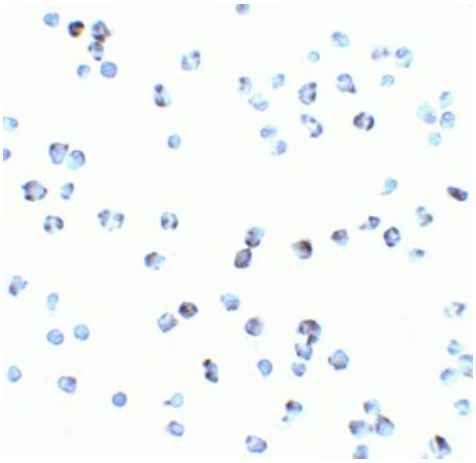
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

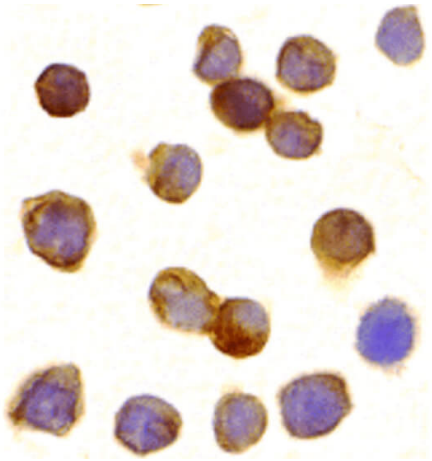
Images



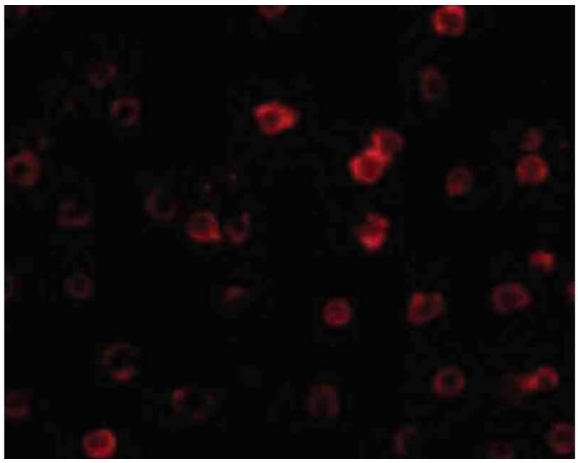
Immunofluorescence Microscopy
Immunofluorescence of DR3 in Jurkat cells with DR3 antibody at 20 µg/mL.
Green: DR3 Antibody.
Blue: DAPI staining.



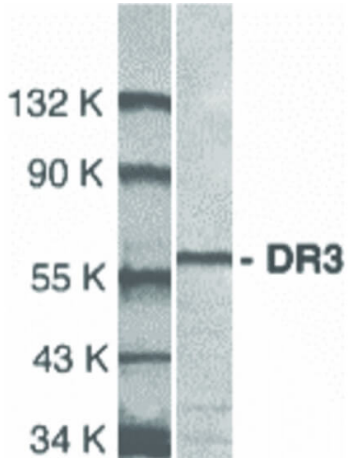
Immunocytochemistry
Immunocytochemistry of DR3 in Jurkat cells with DR3 antibody at 10 µg/mL.



Immunohistochemistry
Immunocytochemistry of Rabbit anti-DR3 antibody. Cell Type: Jurkat cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-DR3 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: DR3 is membrane bound. Staining: DR3 as precipitated brown signal with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-DR3 antibody. Cell TYpe: Jurkat cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: anti-DR3 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: DR3 is membrane bound. Staining: DR3 as red fluorescent signal with bis-benzimide (blue) nuclear counterstain.



Western Blot
Western Blot of Rabbit anti-DR3 antibody. Lane 1: molecular weight marker. Lane 2: Jurat total cell lysate. Load: 35 µg per lane. Primary antibody: DR3 antibody at 1:1000 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 45.4 kDa, 60 kDa for DR3. Other band(s): DR3 splice variants and isoforms.

Disclaimer

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