

Rabbit anti-Mouse, Rat DR3/Tnfrsf25 Polyclonal Antibody | anti-Tnfrsf25 antibody

Anti-DR3/Tnfrsf25 Antibody

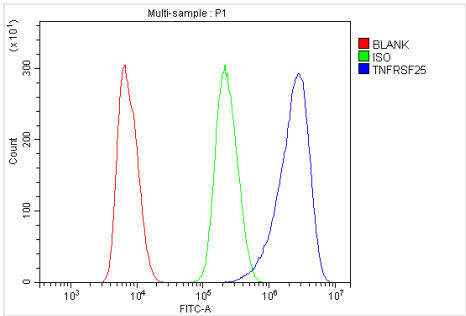
CATALOG # AAA125686	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

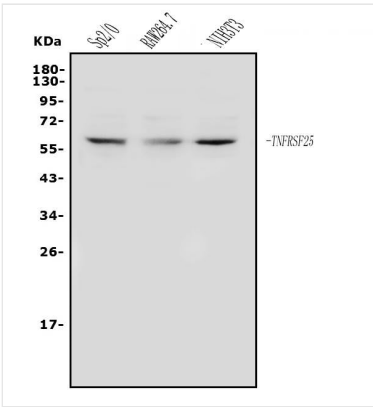
DR3/Tnfrsf25; Polyclonal Antibody; Anti-DR3/Tnfrsf25 Antibody; Similar to tumor necrosis factor receptor superfamily; member 25; isoform CRA_a; TNF receptor superfamily member 25; Tnfrsf25; LOC500592; rCG_31294; anti-Tnfrsf25 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for DR3/Tnfrsf25 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Applicable Applications for anti-Tnfrsf25 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived rat DR3/Tnfrsf25 recombinant protein (Position: E43-E393).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of NRK cells using anti-DR3/Tnfrsf25 antibody (AAA125686). Overlay histogram showing NRK cells stained with AAA125686 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-DR3/Tnfrsf25 Antibody (AAA125686, 1μg/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of DR3/Tnfrsf25 using anti-DR3/Tnfrsf25 antibody (AAA125686). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse SP2/0 whole cell lysates Lane 2: mouse RAW264. 7 whole cell lysates Lane 3: mouse NIH/3T3 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-DR3/Tnfrsf25 antigen affinity purified polyclonal antibody (Catalog # AAA125686) at 0. 5 μg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for DR3/Tnfrsf25 at approximately 60KD. The expected band size for DR3/Tnfrsf25 is at 60KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Tnfrsf25 antibody	TNFRSF25 (Tumor Necrosis Factor Receptor Superfamily Member 25), also known as LARD, APO3, DR3 or TNFR25, is a protein that in humans is encoded by the TNFRSF25 gene. Members of the mammalian tumor necrosis factor receptor (TNFR) family are cell-surface proteins that interact with a corresponding TNF-related ligand family. By fluorescence in situ hybridization, Marsters et al. (1996) mapped the Apo3 gene to 1p36. 3. Marsters et al. (1996) showed that ectopic expression of Apo3 in mammalian cells triggered apoptosis and activated the transcription factor NF-kappa-B. They suggested that, like TNFR1, Apo3 may regulate distinct signaling pathways in different cellular contexts.
References	1. Borysenko, C. W., Furey, W. F., Blair, H. C. Comparative modeling of TNFRSF25 (DR3) predicts receptor destabilization by a mutation linked to rheumatoid arthritis. Biochem. Biophys. Res. Commun. 328: 794-799, 2005. 2. Fang, L., Adkins, B., Deyev, V., Podack, E. R. Essential role of TNF receptor superfamily 25 (TNFRSF25) in the development of allergic lung inflammation. J. Exp. Med. 205: 1037-1048, 2008. 3. Marsters, S. A., Sheridan, J. P., Donahue, C. J., Pitti, R. M., Gray, C. L., Goddard, A. D., Bauer, K. D., Ashkenazi, A. Apo-3, a new member of the tumor necrosis factor receptor family, contains a death domain and activates apoptosis and NF-kappa-B. Curr. Biol. 6: 1669-1676, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	212549637
NCBI GeneID	500592
NCBI Accession #	NP_001131116.1
NCBI GenBank Nucleotide #	NM_001137644.1
UniProt Accession #	D4ADP7
Molecular Weight	44,090 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 25
NCBI Official Synonym Full Names	TNF receptor superfamily member 25

NCBI Official Symbol	Tnfrsf25
NCBI Protein Information	tumor necrosis factor receptor superfamily member 25
UniProt Protein Name	Similar to tumor necrosis factor receptor superfamily, member 25, isoform CRA_a
UniProt Gene Name	Tnfrsf25

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/dr3-tnfrsf25-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125686>