Product datasheet

Anti-DR4/TNFRSF10A Antibody

Catalog Number: *A02152*

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Basic Information

Product Name	Anti-DR4/TNFRSF10A Antibody
Gene Name	TNFRSF10A
Source	Rabbit
Isotype	IgG
Species Reactivity	human,mouse,rat
Tested Application	WB,ICC/IF,FCM
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human DR4 (99-131aa VLLQVVPSSAATIKLHDQSIGTQQWEHSPLGEL).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	50KD
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400 Flow cytometry (FCM): 1-3 µg/1x10^6 cells

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

TNFRSF10A (Tumor Necrosis Factor Receptor Subfamily Member 10A), also known as APO2, DR4 or TRAILR1, is a protein that in humans is encoded by the TNFRSF10A gene. The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL), and thus transduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein.

Selected Validation Data

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Figure 1. Western blot analysis of anti-TNFRSF10A antibody (A02152). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat spleen tissue lysates,
Lane 2: mouse spleen tissue lysates,
Lane 3: human MCF-7 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TNFRSF10A antigen affinity purified polyclonal antibody (A02152) and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TNFRSF10A at approximately 50 kDa. The expected band size for TNFRSF10A is at 50 kDa.

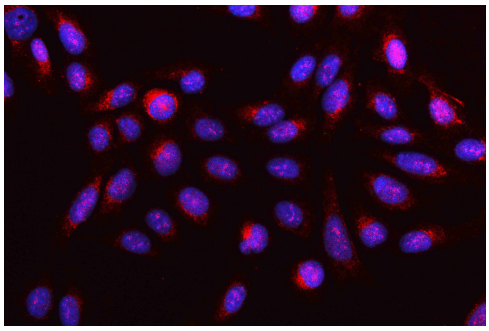

Figure 2. IF analysis of TNFRSF10A using anti-TNFRSF10A antibody (A02152).
TNFRSF10A was detected in an immunocytochemical section of U2OS cells. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

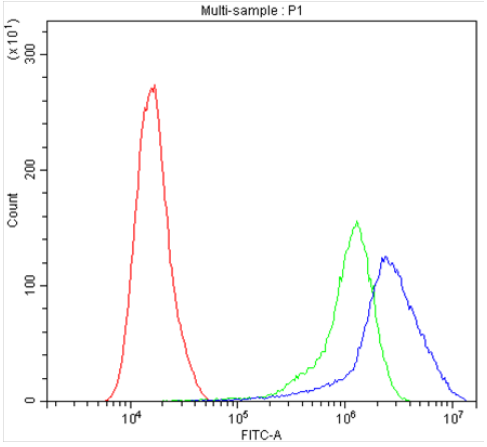

Figure 3. Flow Cytometry analysis of A549 cells using anti-TNFRSF10A antibody (A02152).
Overlay histogram showing A549 cells stained with A02152 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TNFRSF10A Antibody (A02152, 1 µg/1x10^6 cells). DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 µg/1x10^6 cells) was used as secondary antibody. Isotype control antibody (Green line) was rabbit IgG (Catalog # BA1045) (1 µg/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.