

Rabbit DR6/TNFRSF21 Polyclonal Antibody | anti-TNFRSF21 antibody

Anti-DR6/TNFRSF21 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19292	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

DR6/TNFRSF21; Polyclonal Antibody; Anti-DR6/TNFRSF21 Antibody; TNFRSF21; DR6; UNQ437/PRO868; Tumor necrosis factor receptor superfamily member 21; Death receptor 6; CD antigen CD358; TNF receptor superfamily member 21; anti-TNFRSF21 antibody

PRODUCT SPECIFICATIONS

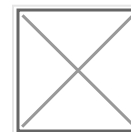
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for DR6/TNFRSF21 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Applicable Applications for anti-TNFRSF21 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 0.25-0.5ug/ml Human, Mouse, Rat IHC-P: 2-5ug/ml Human FC/FACS/FCM: 1-3ug/1x106 cells Human
Immunogen	A synthetic peptide corresponding to a sequence of human DR6/TNFRSF21 (QNLKHFHDINEHLPWMIAA).
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.

IMAGES



FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of A549 cells using anti-DR6/TNFRSF21 antibody (AAA19292). Overlay histogram showing A549 cells stained with AAA19292 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-DR6/TNFRSF21 Antibody (AAA19292, 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.



IHC (Immunohistochemistry)

Figure 6. IHC analysis of DR6/TNFRSF21 using anti-DR6/TNFRSF21 antibody (AAA19292). DR6/TNFRSF21 was detected in paraffin-embedded section of human melanoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-DR6/TNFRSF21 Antibody (AAA19292) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



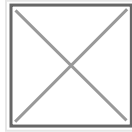
IHC (Immunohistochemistry)

Figure 5. IHC analysis of DR6/TNFRSF21 using anti-DR6/TNFRSF21 antibody (AAA19292). DR6/TNFRSF21 was detected in paraffin-embedded section of human gastric cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-DR6/TNFRSF21 Antibody (AAA19292) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



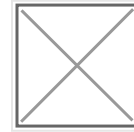
IHC (Immunohistochemistry)

Figure 4. IHC analysis of DR6/TNFRSF21 using anti-DR6/TNFRSF21 antibody (AAA19292). DR6/TNFRSF21 was detected in paraffin-embedded section of human renal carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-DR6/TNFRSF21 Antibody (AAA19292) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 3. IHC analysis of DR6/TNFRSF21 using anti-DR6/TNFRSF21 antibody (AAA19292). DR6/TNFRSF21 was detected in paraffin-embedded section of human bladder cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-DR6/TNFRSF21 Antibody (AAA19292) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 2. IHC analysis of DR6/TNFRSF21 using anti-DR6/TNFRSF21 antibody (AAA19292). DR6/TNFRSF21 was detected in paraffin-embedded section of human gastric cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-DR6/TNFRSF21 Antibody (AAA19292) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).

ADDITIONAL INFORMATION

Related Product Information for anti-TNFRSF21 antibody	This gene encodes a member of the tumor necrosis factor receptor superfamily. The encoded protein activates nuclear factor kappa-B and mitogen-activated protein kinase 8 (also called c-Jun N-terminal kinase 1), and induces cell apoptosis. Through its death domain, the encoded receptor interacts with tumor necrosis factor receptor type 1-associated death domain (TRADD) protein, which is known to mediate signal transduction of tumor necrosis factor receptors. Knockout studies in mice suggest that this gene plays a role in T-helper cell activation, and may be involved in inflammation and immune regulation.
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 12/2/2019. 2. Mi, S., Lee, X., Hu, Y., Ji, B., Shao, Z., Yang, W., Huang, G., Walus, L., Rhodes, K., Gong, B. J., Miller, R. H., Pepinsky, R. B. Death receptor 6 negatively regulates oligodendrocyte survival, maturation and myelination. Nature Med. 17: 816-821, 2011. 3. Nikolaev, A., McLaughlin, T., O'Leary, D. D. M., Tessier-Lavigne, M. APP binds DR6 to trigger axon pruning and neuron death via distinct caspases. Nature 457: 981-989, 2009.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264087
NCBI GeneID	27242
UniProt Accession #	O75509 ; Q0D2P5 ; Q96D86 ; B2RDI9
Molecular Weight	655
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 21
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 21
NCBI Official Symbol	TNFRSF21
NCBI Official Synonym Symbols	DR6; CD358; BM-018
NCBI Protein Information	tumor necrosis factor receptor superfamily member 21; death receptor 6; TNFR-related death receptor 6
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 21

UniProt Gene Name	TNFRSF21
UniProt Synonym Gene Names	DR6
UniProt Entry Name	TNR21_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dr6-tnfrsf21-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/19292>