

Rabbit anti-Human, Mouse CD30/TNFRSF8 Polyclonal Antibody | anti-TNFRSF8 antibody

Anti-CD30/TNFRSF8 Antibody

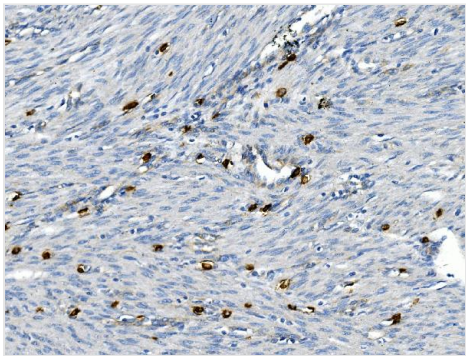
CATALOG # AAA125595	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	-----------------------------------	---

PRODUCT SYNONYMS

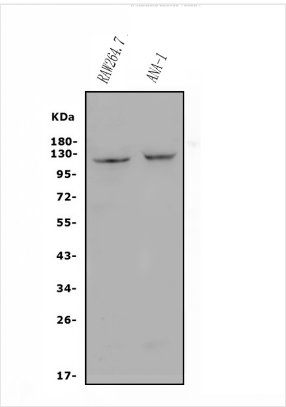
CD30/TNFRSF8; Polyclonal Antibody; Anti-CD30/TNFRSF8 Antibody; TNFRSF8; CD30; D1S166E; Tumor necrosis factor receptor superfamily member 8; CD30L receptor; Ki-1 antigen; Lymphocyte activation antigen CD30; CD antigen CD30; TNF receptor superfamily member 8; anti-TNFRSF8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for CD30/TNFRSF8 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-TNFRSF8 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human CD30/TNFRSF8 (HGNPSHYDDKAVRRCCYR).
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.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of CD30/TNFRSF8 using anti-CD30/TNFRSF8 antibody (AAA125595).CD30/TNFRSF8 was detected in paraffin-embedded section of human endometrial 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-CD30/TNFRSF8 Antibody (AAA125595) 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) with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of CD30/TNFRSF8 using anti-CD30/TNFRSF8 antibody (AAA125595).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 30ug of sample under reducing conditions.Lane 1: mouse RAW264. 7 whole cell lysatesLane 2: mouse ANA-1 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-CD30/TNFRSF8 antigen affinity purified polyclonal antibody (Catalog # AAA125595) 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 CD30/TNFRSF8 at approximately 120KD. The expected band size for CD30/TNFRSF8 is at 64KD.

ADDITIONAL INFORMATION

Related Product Information for anti-TNFRSF8 antibody	CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family and tumor marker. It is mapped to 4 E1; 4 78. 17 cM. The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
References	1. Fischer, M., Harvima, I. T., Carvalho, R. F. S., Moller, C., Naukkarinen, A., Enblad, G., Nilsson, G. Mast cell CD30 ligand is upregulated in cutaneous inflammation and mediates degranulation-independent chemokine secretion. J. Clin. Invest. 116: 2748-2756, 2006. 2. Gorczyca W, Tsang P, Liu Z, et al. (February 2003). "CD30-positive T-cell lymphomas co-expressing CD15: an immunohistochemical analysis". Int. J. Oncol. 22 (2): 319-24. 3. Teng LH, Lu DH, Xu QZ, Fu YJ, Yang H, He ZL (2005). "[Expression and diagnostic significance of OCT4, CD117 and CD30 in germ cell tumors]". Zhonghua Bing Li Xue Za Zhi (in Chinese) 34 (11): 711-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	597709795
NCBI GeneID	943
NCBI Accession #	NP_001234.3
NCBI GenBank Nucleotide #	NM_001243.4
UniProt Accession #	P28908; Q6P4D9; B1AN79; B9EGD9; D3YTD8
Molecular Weight	50,935 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 8 isoform 1
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily member 8

NCBI Official Symbol	TNFRSF8
NCBI Official Synonym Symbols	CD30; Ki-1; D1S166E
NCBI Protein Information	tumor necrosis factor receptor superfamily member 8
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 8
UniProt Gene Name	TNFRSF8
UniProt Synonym Gene Names	CD30; D1S166E
UniProt Entry Name	TNR8_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd30-tnfrsf8-antibody-immunohistochemistry-western-blot-elisa/125595>