

Anti-CD30/TNFRSF8 Antibody
Catalog # ABO12714**Specification****Anti-CD30/TNFRSF8 Antibody - Product Information**

Application	WB
Primary Accession	P28908
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 8(TNFRSF8) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CD30/TNFRSF8 Antibody - Additional Information

Gene ID 943

Other Names

Tumor necrosis factor receptor superfamily member 8, CD30L receptor, Ki-1 antigen, Lymphocyte activation antigen CD30, CD30, TNFRSF8, CD30, D1S166E

Calculated MW

63747 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Isoform 1: Cell membrane; Single-pass type I membrane protein.

Protein Name

Tumor necrosis factor receptor superfamily member 8

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

E.coli-derived human CD30 recombinant protein (Position: T322-K595). Human CD30 shares 60% and 57% amino acid (aa) sequences identity with mouse and rat CD30, respectively.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Contains 6 TNFR-Cys repeats.

Anti-CD30/TNFRSF8 Antibody - Protein Information

Name TNFRSF8 ([HGNC:11923](#))

Function

Receptor for TNFSF8/CD30L (PubMed:[8391931](http://www.uniprot.org/citations/8391931)). May play a role in the regulation of cellular growth and transformation of activated lymphoblasts. Regulates gene expression through activation of NF-kappa-B (PubMed:[8999898](http://www.uniprot.org/citations/8999898)).

Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein

Tissue Location

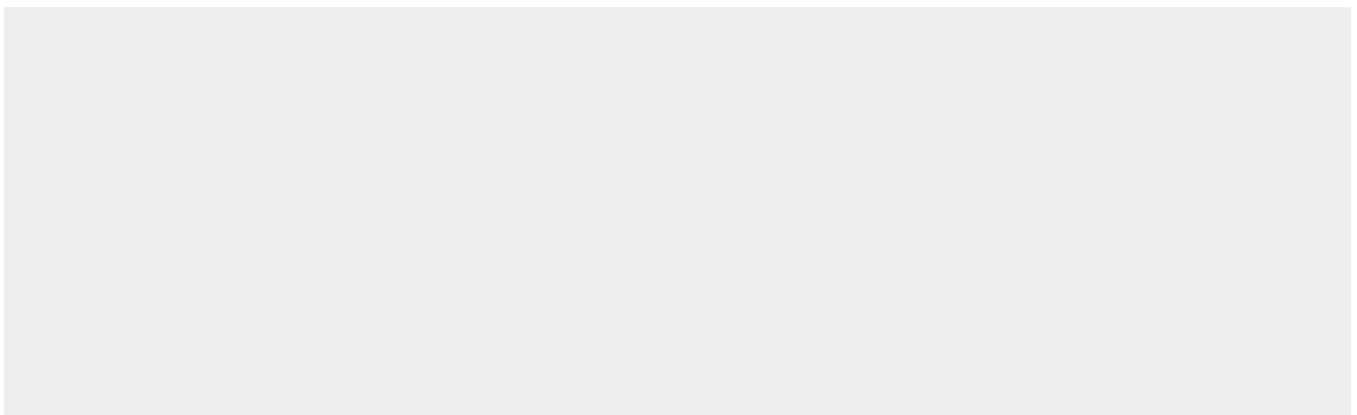
[Isoform 2]: Detected in alveolar macrophages (at protein level).

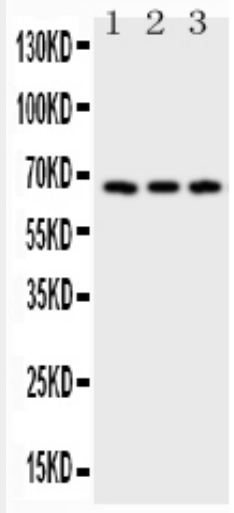
Anti-CD30/TNFRSF8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD30/TNFRSF8 Antibody - Images





Anti-CD30 Picoband antibody, ABO12714.jpg All lanes: Anti-CD30 (ABO12714) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: 293T Whole Cell Lysate at 40ug
Lane 3: JURKAT Whole Cell Lysate at 40ug
Predicted bind size: 67KD
Observed bind size: 67KD

Anti-CD30/TNFRSF8 Antibody - Background

CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family and tumor marker. 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. This gene is mapped to 1p36.22. CD30 is expressed in embryonal carcinoma but not in seminoma and is thus a useful marker in distinguishing between these germ cell tumors. CD30 mast cell activation represents an IgE-independent activation pathway, which is important for understanding cutaneous inflammation associated with mast cells. In addition to those, CD30 is also associated with anaplastic large cell lymphoma.