

Datasheet for ABIN3044553
anti-TNFRSF4 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	TNFRSF4
Binding Specificity:	AA 232-254, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFRSF4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-CD134/OX40/TNFRSF4 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human CD134/OX40, different from the related mouse sequence by ten amino acids.
Sequence:	AILLALYLLR RDQRLPPDAH KPP
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-/OX40/TNFRSF4 Antibody Picoband® (ABIN3044553). Tested in Flow Cytometry, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are

Product Details

designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: TNFRSF4

Alternative Name: TNFRSF4 ([TNFRSF4 Products](#))

Background: Synonyms: Tumor necrosis factor receptor superfamily member 4,ACT35 antigen,OX40L receptor,TAX transcriptionally-activated glycoprotein 1 receptor,CD134,TNFRSF4,TXGP1L, Background: Tumor necrosis factor receptor superfamily, member 4, also known as ACT35 or CD134, is a cell surface glycoprotein that was discovered through the production of a monoclonal antibody raised against the HUT-102 cell line. It belongs to the tumor necrosis factor receptor superfamily. CD134 was mapped to 1p36 by fluorescence in situ hybridization. CD134 is the primary receptor for feline immunodeficiency virus. And CD134 expression can promote viral binding and renders cells permissive for viral entry, productive infection, and syncytium formation. Stimulating the receptor can improve the response to a powerful virus vector and may be useful in vaccine development.

Molecular Weight: 50 kDa

Gene ID: 7293

UniProt: [P43489](#)

Pathways: [Production of Molecular Mediator of Immune Response](#), [Cancer Immune Checkpoints](#)

Application Details

Application Notes: Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human
Western blot, 0.1-0.5 µg/mL, Human
Immunohistochemistry (Frozen Section), 0.5-1 µg/mL, Human
Immunocytochemistry, 0.5-1 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
1. Bansal-Pakala, P., Jember, A. G.-H., Croft, M. Signaling through OX40 (CD134) breaks peripheral T-cell tolerance. Nature Med. 7: 907-912, 2001. 2. Humphreys, I. R., Walzl, G., Edwards, L., Rae, A., Hill, S., Hussell, T. A critical role for OX40 in T cell-mediated immunopathology during lung viral infection. J. Exp. Med. 198: 1237-1242, 2003. 3. Jember, A. G.-H., Zuberi, R., Liu, F.-T., Croft, M. Development of allergic inflammation in a murine model of

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asthma is dependent on the costimulatory receptor OX40. J. Exp. Med. 193: 387-392, 2001. 4. Shimojima, M., Miyazawa, T., Ikeda, Y., McMonagle, E. L., Haining, H., Akashi, H., Takeuchi, Y., Hosie, M. J., Willett, B. J. Use of CD134 as a primary receptor by the feline immunodeficiency virus. Science 303: 1192-1195, 2004.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

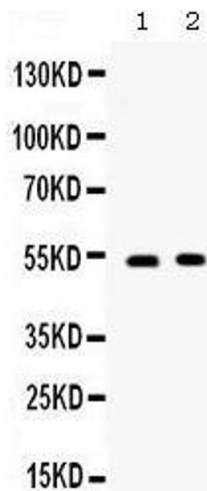
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

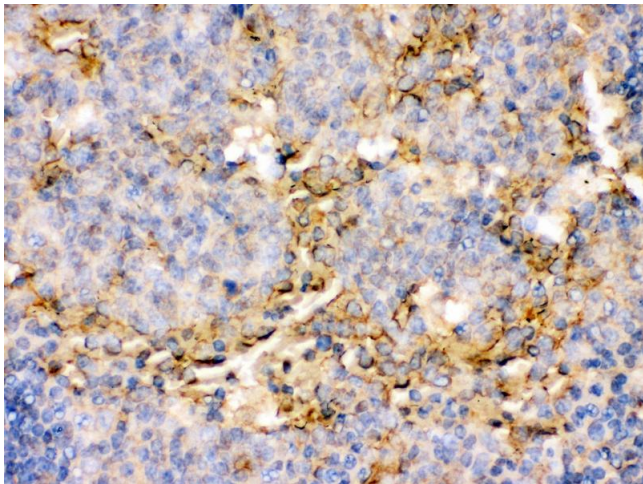
Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of CD134/OX40 expression in SW620 whole cell lysates (lane 1) and 22RV1 whole cell lysates (lane 1). CD134/OX40 at 50KD was detected using rabbit anti- CD134/OX40 Antigen Affinity purified polyclonal antibody at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. CD134/OX40 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti-CD134/OX40 Antigen Affinity purified polyclonal antibody at 1 μ g/mL. The immunohistochemical section was developed using SABC method