Datasheet for ABIN5518707

anti-TNFRSF4 antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	TNFRSF4
Binding Specificity:	AA 23-42, N-Term
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFRSF4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-CD134/OX40/TNFRSF4 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of rat CD134.
Sequence:	KLNCVKDTYP SGHKCCRECQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-/OX40/TNFRSF4 Antibody (ABIN5518707). Tested in WB applications. This antibody reacts with Rat. 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 designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	TNFRSF4
Alternative Name:	TNFRSF4 (TNFRSF4 Products)
Background:	Synonyms: Tumor necrosis factor receptor superfamily member 4,MRC OX40,OX40 antigen,OX40L receptor,CD134,Tnfrsf4,Ox40, Txgp1l, Tissue Specificity: Activated T-cells. Background: Tumor necrosis factor receptor superfamily, member4, 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. 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:	29 kDa
UniProt:	P15725
Pathways:	Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Rat 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 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.

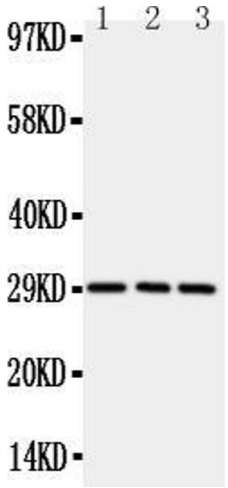
Application Details

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 Thimerosal, 0.05 mg Sodium azide.
Preservative:	Sodium azide, Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
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.

Images



Western Blotting

Image 1. Anti-CD134/OX40 antibody, Western blottingAll lanes: Anti CD134/OX40 at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: Rat Liver Tissue Lysate at 50ug Lane 3: Rat Kidney Tissue Lysate at 50ugPredicted bind size: 29KDObserved bind size: 29KD