Datasheet for ABIN5518962

anti-TRAF5 antibody (AA 277-557)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	TRAF5
Binding Specificity:	AA 277-557
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRAF5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-TRAF5 Antibody Picoband®
Immunogen:	E. coli-derived human TRAF5 recombinant protein (Position: K277-L557). Human TRAF5 shares 82.3% amino acid (aa) sequence identity with mouse TRAF5.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TRAF5 Antibody Picoband® (ABIN5518962). Tested in WB applications. This antibody reacts with Human, Mouse, 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	TRAF5
Alternative Name:	TRAF5 (TRAF5 Products)
Background:	Synonyms: TNF receptor-associated factor 5,RING finger protein 84,TRAF5,RNF84, Tissue Specificity: Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon, and peripheral blood. Background: TNF receptor-associated factor 5, also known as RNF84, is a protein that in humans is encoded by the TRAF5 gene. The scaffold protein encoded by this gene is a member of the tumor necrosis factor receptor-associated factor (TRAF) protein family. Fluorescence in situ hybridization confirmed the regional localization of human TRAF5 to chromosome 1q32.2-q32.3. This protein is one of the components of a multiple protein complex which binds to tumor necrosis factor (TNF) receptor cytoplasmic domains and mediates TNF-induced activation. It is an adapter protein and signal transducer that links members of the tumor necrosis factor receptor family to different signaling pathways by association with the receptor cytoplasmic domain and kinases. It seems to be involved in apoptosis.
Molecular Weight:	64 kDa
Gene ID:	7188
UniProt:	O00463
Pathways:	NF-kappaB Signaling, Apoptosis

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat 1. Kraus, Z. J., Nakano, H., Bishop, G. A. TRAF5 is a critical mediator of in vitro signals and in vivo functions of LMP1, the viral oncogenic mimic of CD40. Proc. Nat. Acad. Sci. 106: 17140-17145, 2009. 2. So, T., Salek-Ardakani, S., Nakano, H., Ware, C. F., Croft, M. TNF receptor-associated factor 5 limits the induction of Th2 immune responses. J. Immun. 172: 4292-4297, 2004.
Comment:	We recommend Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot.
Restrictions:	For Research Use only

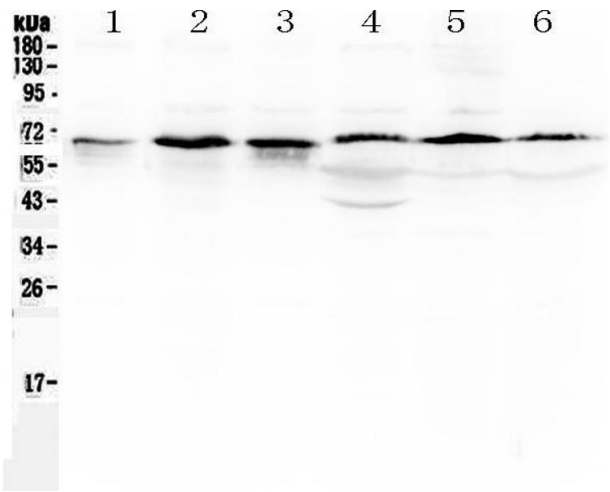
Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE 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. Western blot analysis of TRAF5 using anti-TRAF5 antibody . 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 50ug of sample under reducing conditions. Lane 1: rat ovary tissue lysate, Lane 2: mouse testis tissue lysate, Lane 3: mouse thymus tissue lysate, Lane 4: human MCF-7 whole cell lysate, Lane 5: human A549 whole cell lysate, Lane 6: human Hela whole cell lysate. 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-TRAF5 antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL overnight at 4°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 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002)

with Tanon 5200 system. A specific band was detected for TRAF5 at approximately 64KD. The expected band size for TRAF5 is at 64KD.