

Datasheet for ABIN7602179
anti-TRAP1 antibody (AA 618-704)



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Overview

Quantity:	100 µg
Target:	TRAP1
Binding Specificity:	AA 618-704
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-TRAP1 Antibody Picoband®
Immunogen:	E.coli-derived human TRAP1 recombinant protein (Position: A618-H704).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TRAP1 Antibody Picoband® (ABIN7602179). Tested in ELISA, Flow Cytometry, 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:	TRAP1
Alternative Name:	TRAP1 (TRAP1 Products)
Background:	Synonyms: Peptidyl-prolyl cis-trans isomerase D, PPIase D Tissue Specificity: Widely expressed. Background: Heat shock protein 75 kDa, mitochondrial is a protein that in humans is encoded by the TRAP1 gene. It is mapped to 16p13.3. This gene encodes a mitochondrial chaperone protein that is member of the heat shock protein 90 (HSP90) family. The encoded protein has ATPase activity and interacts with tumor necrosis factor type I. And this protein may function in regulating cellular stress responses. In addition, it was found that TRAP1 interacted with the N-terminal half of TNFR1. Also, TRAP1 interacted with the C-terminal ends of the proteins encoded by both multiple exostoses-causing genes, EXT1 and EXT2, but not with EXTL1 or EXTL3.
Molecular Weight:	80 kDa
Gene ID:	10131
UniProt:	Q12931

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. "Entrez Gene: TRAP1 TNF receptor-associated protein 1". 2. Felts SJ, Owen BA, Nguyen P, Trepel J, Donner DB, Toft DO (March 2000). "The hsp90-related protein TRAP1 is a mitochondrial protein with distinct functional properties". J Biol Chem 275 (5): 3305-12. 3. Song HY, Dunbar JD, Zhang YX, Guo D, Donner DB (March 1995). "Identification of a protein with homology to hsp90 that binds the type 1 tumor necrosis factor receptor". J Biol Chem 270 (8): 3574-81.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	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 freezing and thawing.