

Human/Mouse TRAP220 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5520

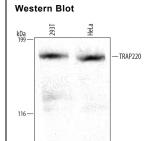
DESCRIPTION	
Species Reactivity	Human/Mouse
Specificity	Detects endogenous human TRAP220 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human TRAP220 Phe878-Phe1031 Accession # Q15648
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human TRAP220 by Western Blot. Western blot shows lysates of 293T human embryonic kidney cell line and HeLa human cervical epithelial carcinoma cell line. PVDF membrane was probed with 1 µg/mL of Human/Mouse TRAP220 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5520) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for TRAP220 at approximately 180 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 5.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	

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 12 months from date of receipt, -20 to -70 °C as supplied.
 - 1 month, 2 to 8 °C under sterile conditions after reconstitution
 - 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

TRAP220 (Thyroid hormone receptor associated protein 220 kDa) is a widely expressed member of the Mediator complex subunit 1 family of proteins. It constitutes one of some 25 subunits that make up the Mediator complex. Here, it serves as a scaffold protein that links nuclear hormone receptors to RNA polymerase II. Human TRAP220 is 1581 amino acids (aa) in length. It contains a Mediator complex interaction region (aa 108-390) and two nuclear hormone receptor binding boxes (aa 600-670). Phosphorylation of Thr1032 and Thr1457 materially increases TRAP220 activity. There are at least two splice variants. One shows a 22 aa substitution for aa 756-1581 while another shows a nine aa substitution for aa 548-1581. Over aa 878-1031, human TRAP220 shares 92% aa identity with mouse TRAP220.

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