

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human TRAP220 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human TRAP220 Phe878-Phe1031 Accession # Q15648
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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