# Human/Mouse TRAP220 Alexa Fluor® 350-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5520U
100 µg

## DESCRIPTION

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| **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<br>Phe878-Phe1031<br>Accession # Q15648 |
| **Conjugate** | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm |
| **Formulation** | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.*

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

## PREPARATION AND STORAGE

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| **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.

## PRODUCT SPECIFIC NOTICES

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