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TRIP1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10594

Specification

TRIP1 Antibody - Product Information

Application	**WB**
Primary Accession	P62195
Other Accession	NP_002796.4
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**45626**

TRIP1 Antibody - Additional Information

Gene ID 5705

Application & Usage	**Western blotting (1:500 – 1:2500). However, the optimal concentrations should be determined individually. HeLa and NIH3T3 cell lysates can be used as positive controls. The antibody recognizes the TRIP1(S µg1) of human and mouse origins. Reactivity to other species has not been tested.**

Other Names
TRIP1, TRIP-1, Thyroid Receptor Interactor 1, TBP10, Tat-binding protein homolog 10, PSMC5, Proteasome (prosome, macropain) 26S Subunit, ATPase, 5, p45, p45/S µg, S µg1, S8

Target/Specificity
TRIP1

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
TRIP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TRIP1 Antibody - Protein Information

Name PSMC5

Synonyms SUG1

Function
Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMC5 belongs to the heterohexameric ring of AAA (ATPases associated with diverse cellular activities) proteins that unfolds ubiquitinated target proteins that are concurrently translocated into a proteolytic chamber and degraded into peptides.

Cellular Location
Cytoplasm. Nucleus.

TRIP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRIP1 Antibody - Images

TRIP1 Antibody - Background

Thyroid receptor interacting protein 1 (TRIP1) was originally identified as a protein that interacts with the thyroid receptor and is homologous to the yeast SUG1 protein, a transcriptional coactivator. It was later identified as an ATPase subunit of the 26S proteasome, a multicatalytic proteinase complex, and has also been shown to associate with nuclear receptors and transcription factors. TRIP1/SUG1 may function to regulate transcription factor abundance by targeting them for proteasome degradation.