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TRRAP Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21568b

Specification

TRRAP Antibody (C-term) - Product Information

Application	**WB, IF,E**
Primary Accession	Q9Y4A5
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**437600**

TRRAP Antibody (C-term) - Additional Information

Gene ID 8295

Other Names
Transformation/transcription domain-associated protein, 350/400 kDa PCAF-associated factor, PAF350/400, STAF40, Tra1 homolog, TRRAP, PAF400

Target/Specificity
This TRRAP antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 3015-3049 amino acids from the C-terminal region of human TRRAP.

Dilution
WB~~1:2000
IF~~1:25
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TRRAP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRRAP Antibody (C-term) - Protein Information

Name TRRAP

Synonyms PAF400

Function Adapter protein, which is found in various multiprotein chromatin complexes with histone acetyltransferase activity (HAT), which gives a specific tag for epigenetic transcription activation. Component of the NuA4 histone acetyltransferase complex which is responsible for acetylation of nucleosomal histones H4 and H2A. Plays a central role in MYC transcription activation, and also participates in cell transformation by MYC. Required for p53/TP53-, E2F1- and E2F4- mediated transcription activation. Also involved in transcription activation mediated by the adenovirus E1A, a viral oncoprotein that deregulates transcription of key genes. Probably acts by linking transcription factors such as E1A, MYC or E2F1 to HAT complexes such as STAGA thereby allowing transcription activation. Probably not required in the steps following histone acetylation in processes of transcription activation. May be required for the mitotic checkpoint and normal cell cycle progression. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AZ1 from the nucleosome. May play a role in the formation and maintenance of the auditory system (By similarity).

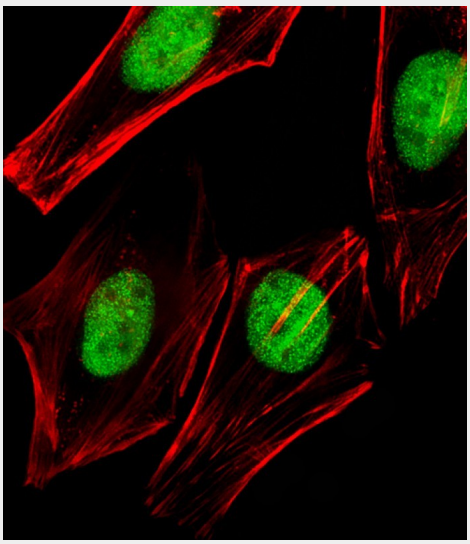
Cellular Location
Nucleus

TRRAP Antibody (C-term) - Protocols

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

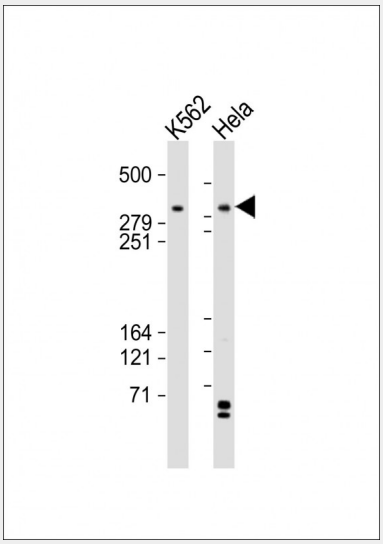
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRRAP Antibody (C-term) - Images

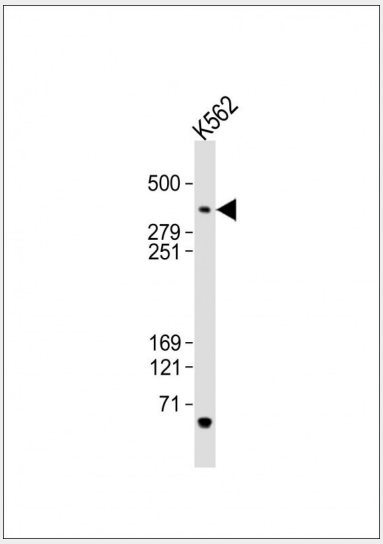


Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling TRRAP with AP21568b at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing nucleus staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100

dilution (red).



All lanes : Anti-TRRAP Antibody (C-term) at 1:2000 dilution Lane 1: K562 whole cell lysates Lane 2: Hela whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 438 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-TRRAP Antibody (C-term)at 1:2000 dilution + K562 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 438 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

TRRAP Antibody (C-term) - Background

Adapter protein, which is found in various multiprotein chromatin complexes with histone acetyltransferase activity (HAT), which gives a specific tag for epigenetic transcription activation. Component of the NuA4 histone acetyltransferase complex which is responsible for acetylation of nucleosomal histones H4 and H2A. Plays a central role in MYC transcription activation, and also participates in cell transformation by MYC. Required for p53/TP53-, E2F1- and E2F4-mediated transcription activation. Also involved in transcription activation mediated by the adenovirus E1A, a viral oncoprotein that deregulates transcription of key genes. Probably acts by linking transcription factors such as E1A, MYC or E2F1 to HAT complexes such as STAGA thereby allowing transcription activation. Probably not required in the steps following histone acetylation in processes of transcription activation. May be required for the mitotic checkpoint and normal cell cycle

progression. Component of a SWR1- like complex that specifically mediates the removal of histone H2A.Z/H2AFZ from the nucleosome.

TRRAP Antibody (C-term) - References

McMahon S.B.,et al.Cell 94:363-374(1998).
Vassilev A.,et al.Mol. Cell 2:869-875(1998).
Hillier L.W.,et al.Nature 424:157-164(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Scherer S.W.,et al.Science 300:767-772(2003).