

For Research Use Only

# TTRAP Polyclonal antibody

Catalog Number: 12203-1-AP

Featured Product

5 Publications



## Basic Information

Catalog Number:

12203-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2846

GenBank Accession Number:

BC017553

GeneID (NCBI):

51567

UNIPROT ID:

O95551

Full Name:

TRAF and TNF receptor associated protein

Calculated MW:

362 aa, 41 kDa

Observed MW:

49 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293T cells, HepG2 cells, human spleen tissue, HeLa cells

IP : HepG2 cells,

## Background Information

TTRAP is a 5-prime tyrosyl-DNA phosphodiesterase that is required for efficient repair of topoisomerase II-induced DNA double-strand breaks. Thus it can remove lots of covalent adducts from DNA through hydrolysis of a 5'-phosphodiester bond, generating a free 5' phosphate to DNA. It also has 3'-tyrosyl DNA phosphodiesterase activity, but not so efficient as TDP1. TTRAP functions as a negative regulator of ETS1 and inhibit nuclear factor-kappa-B activation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Inken Flörkemeier	36142413	Int J Mol Sci	WB
Graeme Thomson	23416181	Anal Biochem	WB
Bin Zhang	31965061	Cell Death Differ	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

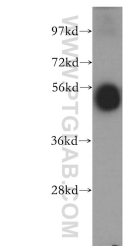
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

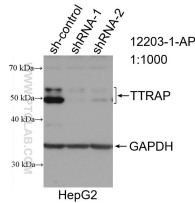
W: [ptgcn.com](http://ptgcn.com)

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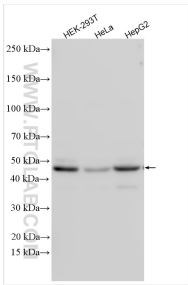
Selected Validation Data



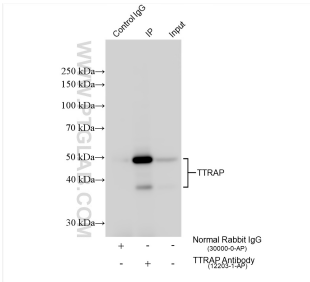
human spleen tissue were subjected to SDS PAGE followed by western blot with 12203-1-AP (TTRAP antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



WB result of TTRAP antibody (12203-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TTRAP transfected HepG2 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 12203-1-AP (TTRAP antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-TTRAP (IP:12203-1-AP, 4ug; Detection:12203-1-AP 1:5000) with HepG2 cells lysate 1600 ug.