

For Research Use Only

# MCTS1 Polyclonal antibody

Catalog Number: 14984-1-AP

1 Publications



## Basic Information

Catalog Number:

14984-1-AP

Size:

200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6968

GenBank Accession Number:

BC001013

GeneID (NCBI):

28985

UNIPROT ID:

Q9ULC4

Full Name:

malignant T cell amplified sequence

1

Calculated MW:

21 kDa

Observed MW:

18-21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : Jurkat cells, mouse bladder tissue, K-562 cells, MOLT-4 cells, Raji cells

IP : K-562 cells,

IHC : human ovarian cancer,

## Background Information

MCTS1 is an anti-oncogene that plays a role in cell cycle regulation. It can reduce cell doubling time and anchor-dependent growth. The G1 transition time and the duration of the G1 / S transition are shortened. It can also promote the release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits (PMID: 10440924).

## Notable Publications

Author	Pubmed ID	Journal	Application
Baiwen Chen	35440133	Nat Commun	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:

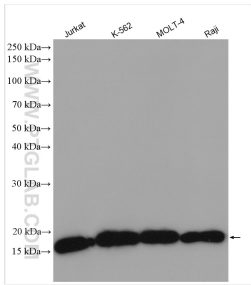
T: 4006900926

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

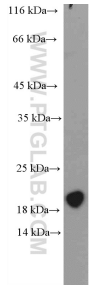
W: [ptgcn.com](http://ptgcn.com)

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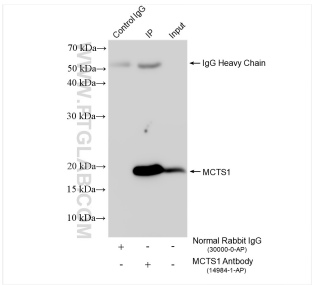
Selected Validation Data



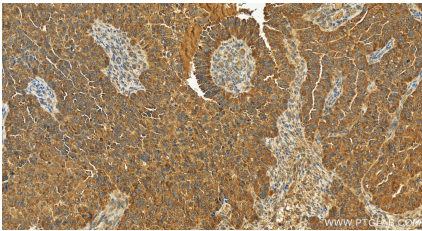
Various lysates were subjected to SDS PAGE followed by western blot with 14984-1-AP (MCTS1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



mouse bladder tissue were subjected to SDS PAGE followed by western blot with 14984-1-AP (MCTS1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-MCTS1 (IP:14984-1-AP, 4ug; Detection:14984-1-AP 1:3000) with K-562 cells lysate 1800 ug.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 14984-1-AP (MCTS1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).