

For Research Use Only

# MCTS1 Polyclonal antibody

Catalog Number: 14984-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 14984-1-AP	<b>GenBank Accession Number:</b> BC001013	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 200 ug/ml	<b>GeneID (NCBI):</b> 28985	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9ULC4	
<b>Isotype:</b> IgG	<b>Full Name:</b> malignant T cell amplified sequence	
<b>Immunogen Catalog Number:</b> AG6968	<b>1</b>	
	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 18-21 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB:</b> Jurkat cells, mouse bladder tissue, K-562 cells, MOLT-4 cells, Raji cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> human ovarian cancer,
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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:

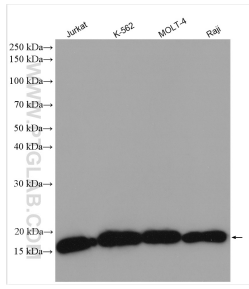
T: 4006900926

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

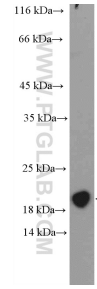
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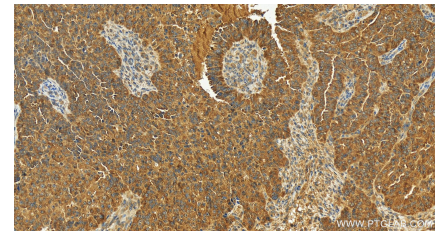
## Selected Validation Data



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.



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).