

For Research Use Only

# MATK Polyclonal antibody

Catalog Number: 10082-2-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 10082-2-AP	<b>GenBank Accession Number:</b> BC000114	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4145	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P42679	IHC 1:20-1:200
<b>Isotype:</b> IgG	<b>Full Name:</b> megakaryocyte-associated tyrosine kinase	IF/ICC 1:50-1:500
<b>Immunogen Catalog Number:</b> AG0128	<b>Calculated MW:</b> 56 kDa	
	<b>Observed MW:</b> 56 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : K-562 cells, mouse thymus tissue
<b>Cited Applications:</b> WB	IHC : human breast cancer tissue,
<b>Species Specificity:</b> human, mouse	IF/ICC : HepG2 cells,
<b>Cited Species:</b> human	
<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

MATK(Megakaryocyte-associated tyrosine-protein kinase) is also named as CTK, HYL and belongs to the protein kinase superfamily. This protein can can inhibit the kinase activity of certain Src kinase family members by phosphorylating the C-terminal tyrosine and by a non-catalytic mechanism. It may play an inhibitory role in the control of T-cell proliferation. MATK has 3 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaokang Jia	33524783	Biomed Pharmacother	WB
Miao Ye	38774349	Biophys Rep	WB

## Storage

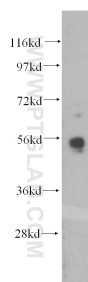
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

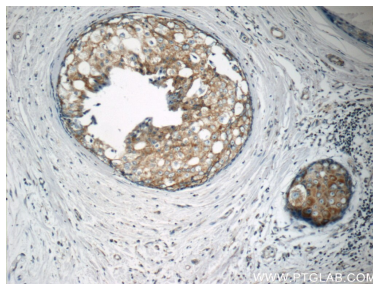
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

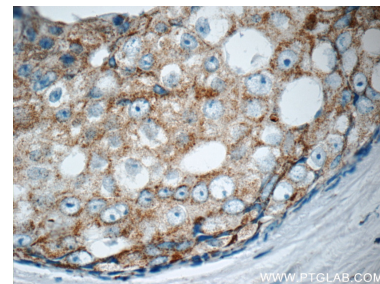
## Selected Validation Data



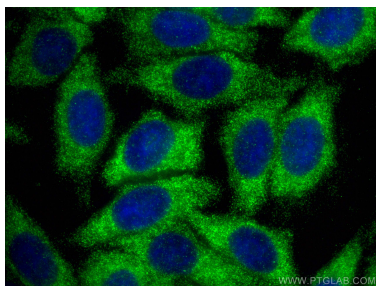
K-562 cells were subjected to SDS PAGE followed by western blot with 10082-2-AP (MATK antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10082-2-AP (MATK Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10082-2-AP (MATK Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MATK antibody (10082-2-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).