

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-TTK



Numéro de catalogue: 10381-1-AP

Phare

9 Publications

## Informations de base

Numéro de catalogue:  
10381-1-AP

Taille:  
150ul, Concentration: 800 µg/ml by  
Nanodrop;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG0405

Numéro d'acquisition GenBank:  
BC000633

Identification du gène (NCBI):  
7272

Nom complet:  
TTK protein kinase

MW calculé  
97 kDa

MW observés:  
96-97 kDa

Méthode de purification:  
Purification par affinité contre  
l'antigène

Dilutions recommandées:  
WB 1:200-1:1000  
IP 0.5-4.0 ug for IP and 1:200-1:1000  
for WB  
IHC 1:50-1:500  
IF 1:50-1:500

## Applications

Applications testées:  
FC, IF, IHC, IP, WB, ELISA

Demandes citées:  
IF, IHC, WB

Spécificité de l'espèce:  
Humain

Espèces citées:  
Humain, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6.0.**

Contrôles positifs:

WB : cellules MCF-7, cellules DU 145, cellules HEK-293, cellules HeLa

IP : cellules MDA-MB-453s,

IHC : tissu de cancer du sein humain, tissu de cancer du foie humain, tissu de côlon de souris, tissu rénal humain, tissu testiculaire humain

IF : cellules HeLa,

## Informations générales

Mps1 family of kinases colocalizes with mitotic checkpoint proteins in kinetochores and/or spindle pole bodies/centrosomes. TTK has been shown to be a cell cycle-regulated kinase displaying maximum activity during M phase (PMID:15618221). Its kinase activity is required for proper chromosome segregation during mitosis through its involvements in microtubule-chromosome attachment error correction and the mitotic checkpoint (PMID:20937696). TTK mRNA is present at relatively high levels in testis and thymus, tissues which contain a large number of proliferating cells, but is not detected in most other benign tissues (PMID:1639825). It has 2 isoforms produced by alternative splicing.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Que Wu	29147457	Oxid Med Cell Longev	
Saipeng Chen	31605696	Exp Cell Res	WB
Jiajia Chen	32969465	Biosci Rep	IHC

## Stockage

Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

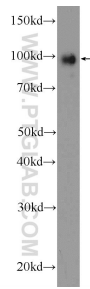
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

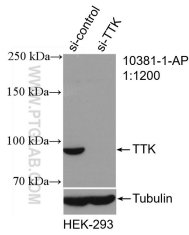
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

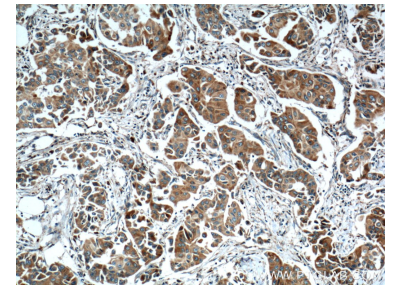
## Données de validation sélectionnées



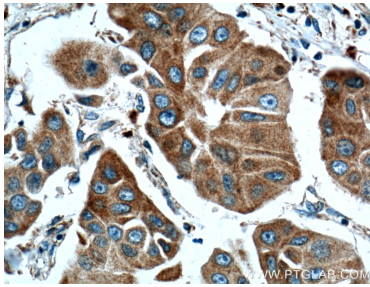
MCF-7 cells were subjected to SDS PAGE followed by western blot with 10381-1-AP (TTK Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



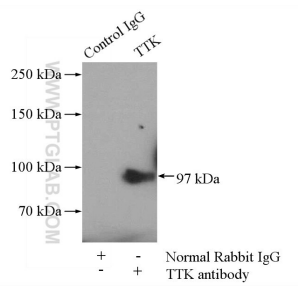
WB result of TTK antibody (10381-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-TTK transfected HEK-293 cells.



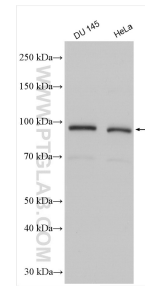
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10381-1-AP (TTK Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



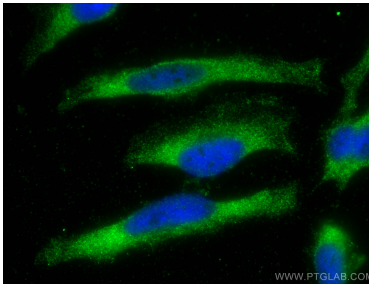
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10381-1-AP (TTK Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



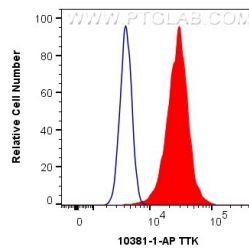
IP Result of anti-TTK (IP:10381-1-AP, 4ug; Detection:10381-1-AP 1:300) with MDA-MB-453s cells lysate 2800ug.



Various lysates were subjected to SDS PAGE followed by western blot with 10381-1-AP (TTK antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using TTK antibody (10381-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human TTK (10381-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).