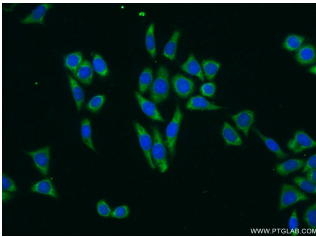
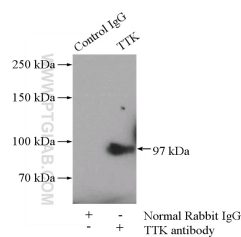


TTK Polyclonal Antibody

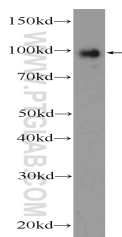
Catalog number: 10381-1-AP
Size: 37 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
TTK; ESK, FLJ38280, MPS1, MPS1L1, PYT, TTK, TTK protein kinase



Immunofluorescent analysis of (-20 Ethanol) fixed HeLa cells using 10381-1-AP (TTK Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



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



MCF-7 cells were subjected to SDS PAGE followed by western blot with 10381-1-AP (TTK Antibody) at dilution of 1:300

Background

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.

Applications

Tested applications:	ELISA, WB, IP, IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated TTK MW:	97 kDa
Observed TTK MW:	97 kDa
Positive WB detected in	MCF-7 cells, HeLa cells
Positive IP detected in	MDA-MB-453s cells
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:1000
	IP: 1:200-1:1000
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0405
GenBank accession number:	BC000633
Gene ID (NCBI):	7272
Full name:	TTK protein kinase

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.