For Research Use Only

## TLK2 Polyclonal antibody Catalog Number:13979-1-AP Featured Product

Featured Product

3 Publications



Basic Information	Catalog Number: 13979-1-AP	GenBank Accession Number: BC044925	Purification Method: Antigen affinity purification	
	Size:	GeneID (NCBI):	Recommended Dilutions:	
	150ul , Concentration: 450 ug/ml by	11011	WB 1:500-1:2000	
	Nanodrop and 173 ug/ml by Bradford	UNIPROT ID:	IHC 1:50-1:500	
	method using BSA as the standard;	Q86UE8	IF/ICC 1:50-1:500	
	Source: Rabbit	Full Name: tousled-like kinase 2		
	Isotype: IgG	Calculated MW: 772 aa, 88 kDa		
	Immunogen Catalog Number: AG5022	Observed MW: 85 kDa		
Applications	Tested Applications:	Positiv	ve Controls:	
	WB, IHC, IF/ICC, ELISA	WB:M	WB: MCF-7 cells, HeLa cells	
	Cited Applications: WB, IHC	IHC : h	numan breast cancer tissue,	
	Species Specificity: human, mouse, rat	IF/ICC	: HeLa cells,	
	Cited Species: human			
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ			
	retrieval may be performed w buffer pH 6.0	ith citrate		
Background Information	retrieval may be performed w buffer pH 6.0 Tousled-like kinases (TLKs) are a fam chromatin assembly and mitotic chro (PMID: 14561777). Mutation in TLK2 a like kinase 2 (TLK2) is a key factor in malignancy. TLK2 is commonly upreg patient outcomes. TLK2 overexpressio	ily of serine/threonine kinase: mosome segregation. There ar re associated with an elevated glioblastoma that modulates S ulated in glioblastoma, and su on induced cell growth, migrati		
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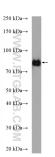
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA)

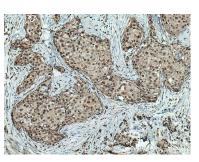
W: ptglab.com

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## **Selected Validation Data**

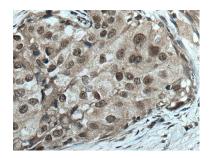
for 1.5 hours.



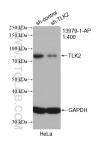


MCF-7 cells were subjected to SDS PAGE followed by western blot with 13979-1-AP (TLK2 antibody) at dilution of 1:1000 incubated at room temperature

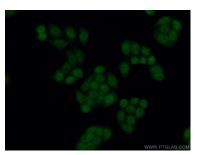
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 13979-1-AP (TLK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 13979-1-AP (TLK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of TLK2 antibody (13979-1-AP; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-TLK2 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 13979-1-AP (TLK2 antibody) at dilution of 1:100 and CoraLite488-Conjugated Goat Anti-Rabbit IgG(H+L).