

For Research Use Only

DAPK1 Monoclonal antibody

Catalog Number: 67815-1-Ig **3 Publications**



Basic Information

Catalog Number: 67815-1-Ig	GenBank Accession Number: BC113660	Purification Method: Protein G purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1612	CloneNo.: 1E2F9
Source: Mouse	UNIPROT ID: P53355	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:200-1:800 IF-P 1:200-1:800 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: death-associated protein kinase 1	
Immunogen Catalog Number: AG29838	Calculated MW: 1430 aa, 160 kDa	
	Observed MW: 160 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA	Positive Controls: WB : LNCaP cells, A549 cells, HeLa cells, HepG2 cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, 4T1 cells IHC : human breast cancer tissue, human placenta tissue, human stomach cancer tissue, mouse skin tissue, mouse small intestine tissue, rat small intestine tissue IF-P : human breast cancer tissue, IF/ICC : HCT 116 cells, HT-1376 cells
Cited Applications: WB, IF	
Species Specificity: human, mouse, rat	
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

DAPK1(Death-associated protein kinase 1) is a stress-activated tumor suppressor protein that plays a role in both proapoptotic or antiapoptotic signal transduction pathways. Loss of DAPK1 expression is associated with a selective advantage for tumor cells to resist apoptotic stimuli, allowing them to separate from the original tumor; from this point of view, DAPK1 could be considered a tumor metastases inhibitor gene(PMID:17319784).

Notable Publications

Author	Pubmed ID	Journal	Application
Chao Geng	39479447	Theranostics	WB
Yunying Yang	39174646	Cell Death Differ	WB
Xiang-Xin Chen	37480108	Cell Commun Signal	IF

Storage

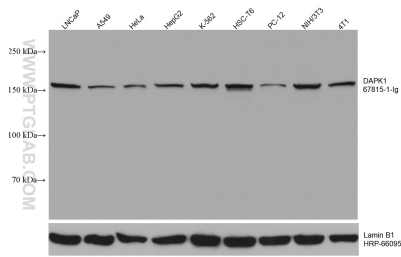
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

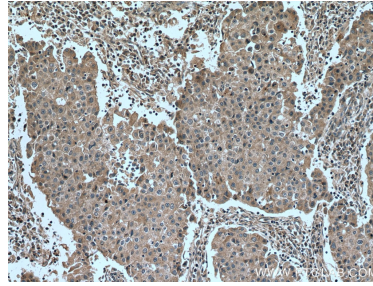
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

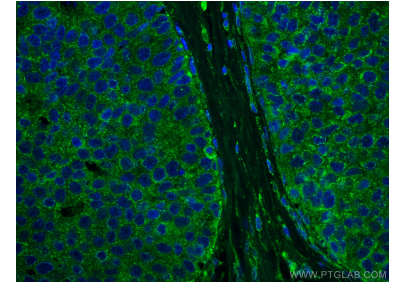
Selected Validation Data



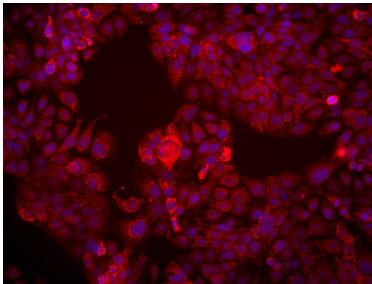
Various lysates were subjected to SDS PAGE followed by western blot with 67815-1-Ig (DAPK1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



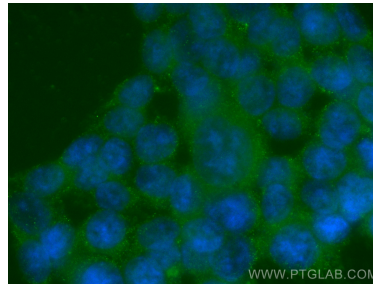
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67815-1-Ig (DAPK1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



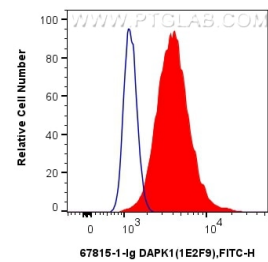
Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using DAPK1 antibody (67815-1-Ig, Clone: 1E2F9) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HT-1376 cells using DAPK1 antibody (67815-1-Ig, Clone: 1E2F9) at dilution of 1:1000 and Multi-rAb CoraLite@ Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



Immunofluorescent analysis of (-20°C Ethanol) fixed HCT 116 cells using DAPK1 antibody (67815-1-Ig, Clone: 1E2F9) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L).



1×10^6 HCT 116 cells were intracellularly stained with 0.4 ug Anti-Human DAPK1 (67815-1-Ig, Clone:1E2F9) and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).