

For Research Use Only

DCPS Monoclonal antibody

Catalog Number:**67311-1-Ig**



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
67311-1-Ig	BC014532	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
150ul , Concentration: 1600 ug/ml by 28960 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	UNIPROT ID: Q96C86	1B2E4
Source:	Full Name:	Recommended Dilutions:
Mouse	decapping enzyme, scavenger	WB 1:1000-1:6000 IHC 1:250-1:1000 IF-P 1:200-1:800
Isotype:	Calculated MW:	
IgG2b	337 aa, 39 kDa	
Immunogen Catalog Number:	Observed MW:	
AG8872	35-40 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls: WB : HeLa cells, rat spleen tissue, mouse brain tissue, HepG2 cells, K-562 cells, Jurkat cells
Species Specificity: Human, Mouse, Rat	IHC : human breast cancer tissue, IF-P : human liver cancer tissue,
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

DcpS, which is a member of the histidine triad (HIT) superfamily of pyrophosphatases, is the first HIT protein with a defined biological function and identifies the HIT motif as a new mRNA decapping domain. DcpS can encode a 38-40 kDa protein, and has the potential to form a homodimer of 80 kDa (PMID: 12198172).

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

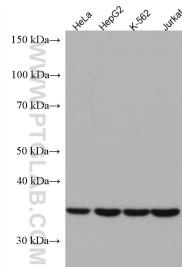
*** 20ul sizes contain 0.1% BSA

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)

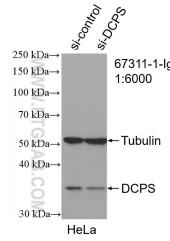
E: proteintech@ptglab.com
W: ptglab.com

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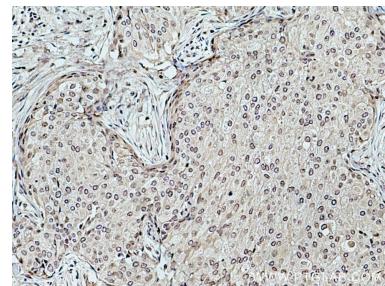
Selected Validation Data



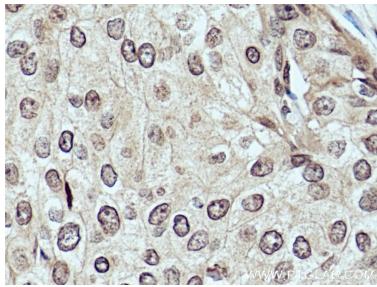
Various lysates were subjected to SDS PAGE followed by western blot with 67311-1-Ig (DCPS antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



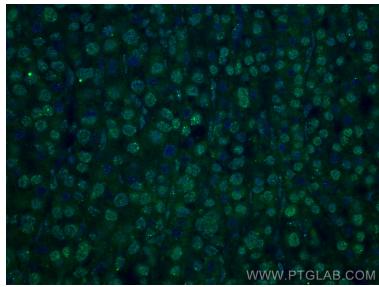
WB result of DCPS antibody (67311-1-Ig; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DCPS transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67311-1-Ig (DCPS antibody) at dilution of 1:500 (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 67311-1-Ig (DCPS antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using DCPS antibody (67311-1-Ig, Clone: 1B2E4) at dilution of 1:400 and Coralite@488-Conjugated Goat Anti-Mouse IgG(H+L).