

For Research Use Only

CDK7 Monoclonal antibody

Catalog Number: 67889-1-Ig



Basic Information

Catalog Number: 67889-1-Ig	GenBank Accession Number: BC005298	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 1022	CloneNo.: 1E7B6
Source: Mouse	UNIPROT ID: P50613	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:750-1:3000
Isotype: IgG1	Full Name: cyclin-dependent kinase 7	
Immunogen Catalog Number: AG25737	Calculated MW: 39 kDa	
	Observed MW: 39 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
Human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A549 cells, U2OS cells, MCF-7 cells, HeLa cells, Jurkat cells, HEK-293 cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

IHC: human breast cancer tissue,

IF: HeLa cells, A431 cells

Background Information

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

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

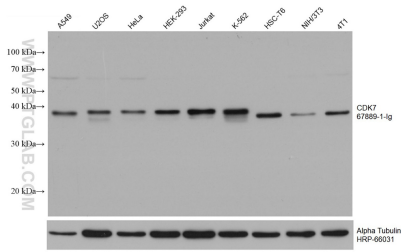
T: 4006900926

E: Proteintech-CN@ptglab.com

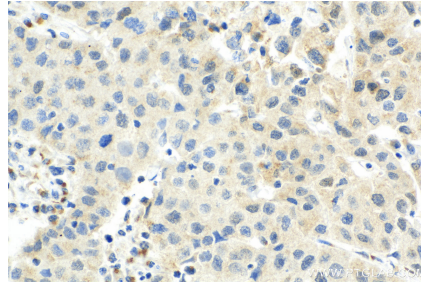
W: ptgcn.com

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

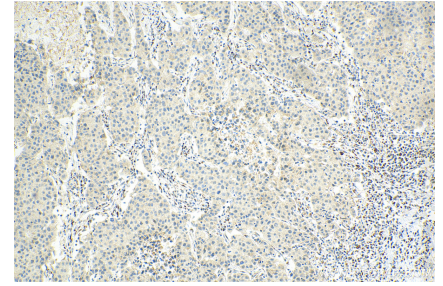
Selected Validation Data



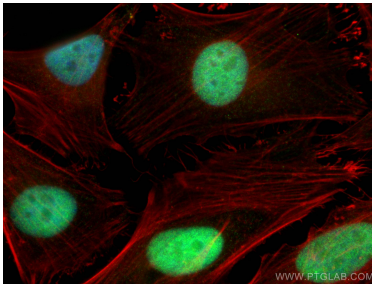
Various lysates were subjected to SDS PAGE followed by western blot with 67889-1-Ig (CDK7 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



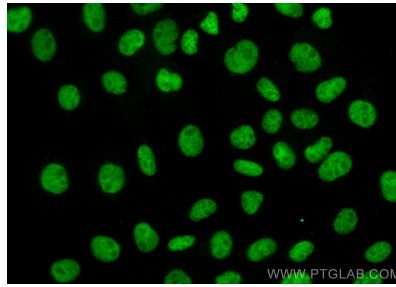
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67889-1-Ig (CDK7 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



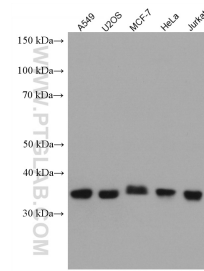
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67889-1-Ig (CDK7 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDK7 antibody (67889-1-Ig, Clone: 1E7B6) at dilution of 1:1500 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CDK7 antibody (67889-1-Ig, Clone: 1E7B6) at dilution of 1:1500 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 67889-1-Ig (CDK7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.