

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: 150ul , Concentration: 1000 ug/ml by Nanodrop and 420 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 1022 | CloneNo.: 1E7B6 |
| Source: Mouse | UNIPROT ID: P50613 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 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: WB, IHC, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: Human, mouse, rat | 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 |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IHC : human breast cancer tissue, IF/ICC : HeLa cells, A431 cells |

Storage

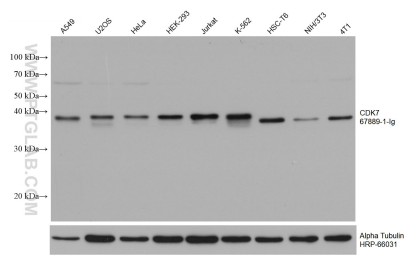
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

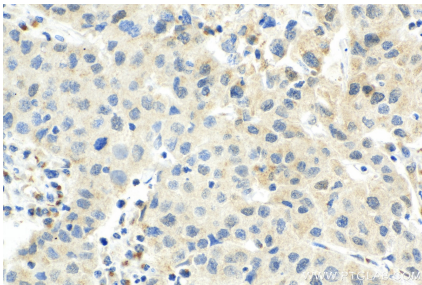
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

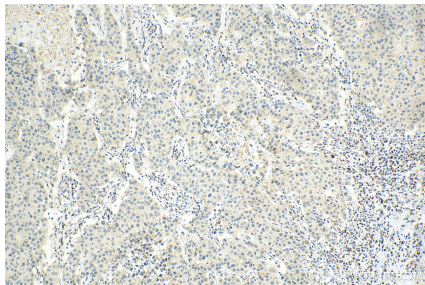
Selected Validation Data



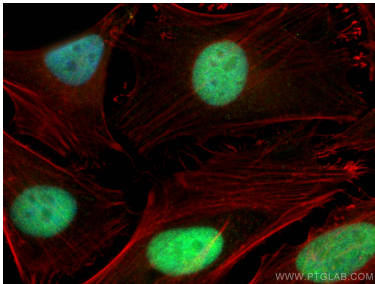
Various lysates were subjected to SDS PAGE followed by western blot with 67889-1-Ig (CDK7 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



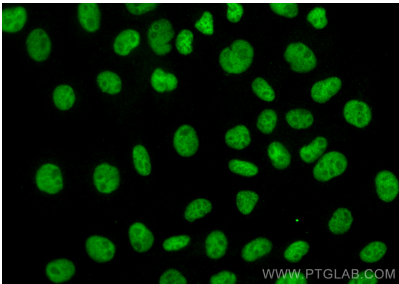
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67889-1-Ig (CDK7 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



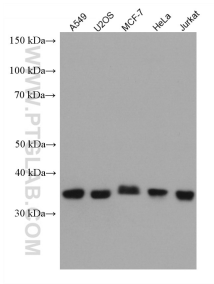
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67889-1-Ig (CDK7 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 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 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.