

For Research Use Only

NF45 Monoclonal antibody

Catalog Number: 67685-1-Ig **2 Publications**



Basic Information

Catalog Number: 67685-1-Ig	GenBank Accession Number: BC000382	Purification Method: Protein A purification
Size: 150ul, Concentration: 1200 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3608	CloneNo.: 1A3A2
Source: Mouse	UNIPROT ID: Q12905	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:1000-1:4000 IF/ICC 1:200-1:800
Isotype: IgG2b	Full Name: interleukin enhancer binding factor 2, 45kDa	
Immunogen Catalog Number: AG30388	Calculated MW: 43 kDa	
	Observed MW: 40 kDa	

Applications

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

Cited Applications:
WB, IF, CoIP

Species Specificity:
Human, mouse, rat

Cited Species:
human, mouse

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: MCF-7 cells, HeLa cells, A431 cells, HepG2 cells, MOLT-4 cells, Jurkat cells, HSC-T6 cells, PC-12 cells, Sp2/0 cells

IP: HeLa cells,

IHC: human colon cancer tissue, human breast cancer tissue

IF/ICC: HepG2 cells,

Background Information

Interleukin-2 enhancer binding factor 2 (ILF2), also named as nuclear factor 45 (NF45), plays important roles in regulating interleukin-2 expression in mammals. It forms a heterodimeric complex with ILF3, which may regulate transcription of the IL2 gene during T-cell activation. It can also promote the formation of stable DNA-dependent protein kinase holoenzyme complexes on DNA [PMID:11739746,17129403].

Notable Publications

Author	Pubmed ID	Journal	Application
Zihan Xi	38238853	J Exp Clin Cancer Res	WB, CoIP
Yang Cao	37864796	Cell Rep	WB, IF, CoIP

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

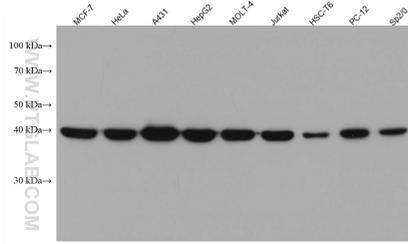
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

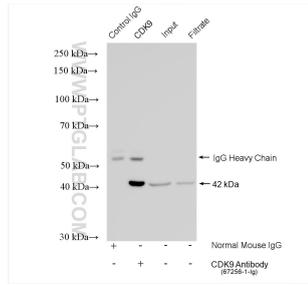
E: proteintech@ptglab.com
W: ptglab.com

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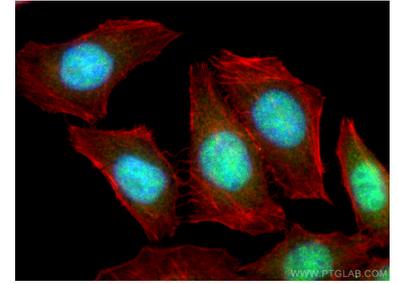
Selected Validation Data



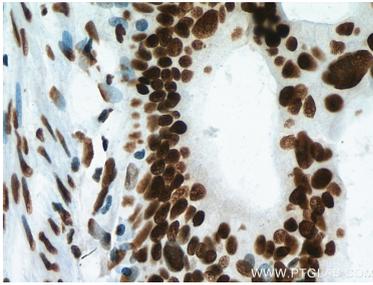
Various lysates were subjected to SDS PAGE followed by western blot with 67685-1-Ig (NF45 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



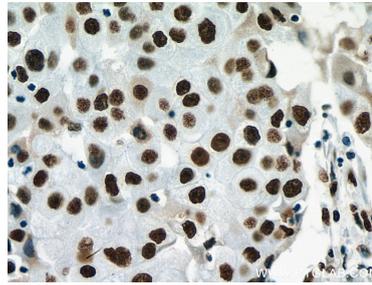
IP result of anti-NF45 (IP:67685-1-Ig, 4ug; Detection:67685-1-Ig 1:3000) with HeLa cells lysate 1320 ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NF45 antibody (67685-1-Ig, Clone: 1A3A2) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67685-1-Ig (NF45 antibody) at dilution of 1:2000 (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 67685-1-Ig (NF45 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).