For Research Use Only

HEXIM1 Polyclonal antibody

Catalog Number:15676-1-AP Featured Product 12 Publications

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Basic Information

Catalog Number:
15676-1-AP

Size:
150ul , Concentration: 700 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8144

GenBank Accession Number:
BC006460

GeneID (NCBI):
10614

UNIPROT ID:
O94992

Full Name:
hexamethylene bis-acetamide inducible 1

Calculated MW:
41 kDa

Observed MW:
70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF 1:50-1:500

Applications

Tested Applications:
WB, IP, IF, FC, IHC, ELISA

Cited Applications:
WB, IP, IF, IHC, 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 : HeLa cells, MCF-7 cells

IP : HeLa cells,

IHC : human breast cancer tissue,

IF : HeLa cells,

Background Information

HEXIM1, also named CLP1, EDG1, HIS1 or MAQ1, is best known as the inhibitor of positive transcription elongation factor b, which regulates the transcription elongation of RNA polymerase II and controls 60-70% of mRNA synthesis. HEXIM1 regulates NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity. Previous studies showed that HEXIM1 interacts with two key p53 regulators, nucleophosmin and HDM2, implying a possible connection between HEXIM1 and the p53 signaling pathway.The mainstream MW of this protein is 65-70 kDa and 54 kDa (PMID: 33627647, PMID: 20976203, PMID: 28254838).

Notable Publications

Author	Pubmed ID	Journal	Application
Eilebrecht Sebastian S	21957495	RNA Biol	WB,IP
Joshua E Burda	35614216	Nature	IHC
Sebastian Eilebrecht	24623795	Nucleic Acids Res	WB

Storage

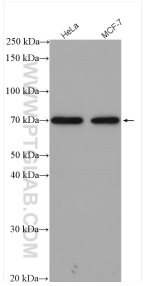
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

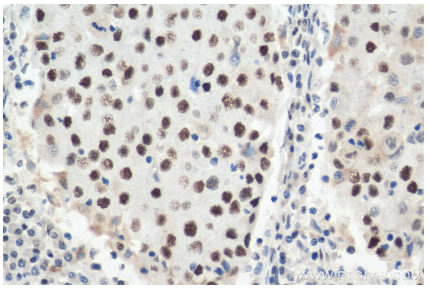
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

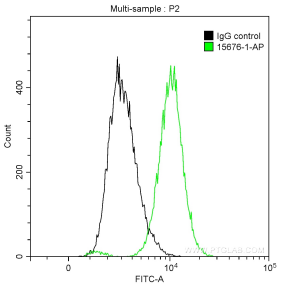
Selected Validation Data



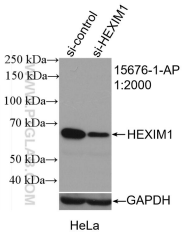
Various lysates were subjected to SDS PAGE followed by western blot with 15676-1-AP (HEXIM1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



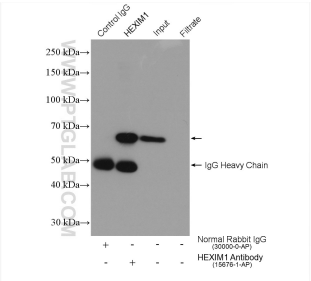
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15676-1-AP (HEXIM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



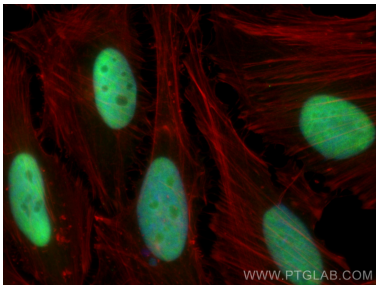
1X10^6 HeLa cells were intracellularly stained with 0.2 ug Anti-Human HEXIM1 (15676-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH .



WB result of HEXIM1 antibody (15676-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HEXIM1 transfected HeLa cells.



IP result of anti-HEXIM1 (IP:15676-1-AP, 4ug; Detection:15676-1-AP 1:5000) with HeLa cells lysate 1880 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HEXIM1 antibody (15676-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).