

For Research Use Only

HMGB3 Polyclonal antibody

Catalog Number: 27465-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 27465-1-AP	GenBank Accession Number: BC070482	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3149	Recommended Dilutions: WB 1:500-1:2000 IF 1:200-1:800
Source: Rabbit	Full Name: high-mobility group box 3	
Isotype: IgG	Calculated MW: 200 aa, 23 kDa	
Immunogen Catalog Number: AG26361	Observed MW: 25 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : BGC-823 cells, MCF-7 cells, SGC-7901 cells, human placenta tissue
Species Specificity: human	IF : MCF-7 cells,
Cited Species: human	

Background Information

HMGB3, also named HMG2A and HMG4, belongs to the HMGB family. HMGB3 binds to nucleosomes in a sequence-independent manner and participates in DNA repair, replication, transcription, and recombination. HMGB3 is highly expressed in stem cells and cancer cells and is rarely transactivated in normal adult tissues, making it a promising therapeutic target. Overexpressed HMGB3 is closely related to tumor occurrence and reduced survival in cervical cancer, non-small-cell lung cancer, breast cancer, bladder cancer, hepatocellular carcinoma, colorectal cancer, gastric cancer, and leukemia (PMID: 35332131).

Notable Publications

Author	Pubmed ID	Journal	Application
Hai-Long Li	36260266	Curr Med Sci	WB
Hang Yuan	36276139	Front Oncol	WB
Zongjuan Li	33187536	J Exp Clin Cancer Res	WB

Storage

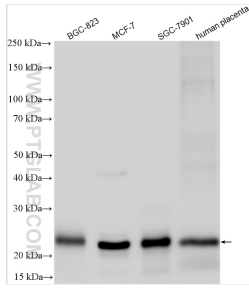
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

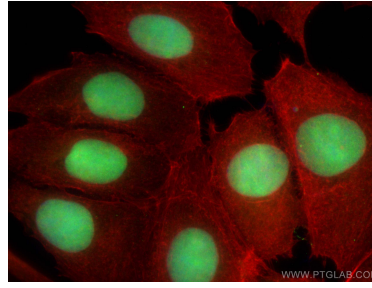
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 27465-1-AP (HMGB3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using HMGB3 antibody (27465-1-AP) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).