

For Research Use Only

BAG6 Polyclonal antibody

Catalog Number: 26417-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number: 26417-1-AP	GenBank Accession Number: BC003133	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7917	Recommended Dilutions: WB: 1:2000-1:16000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:50-1:500 IF/ICC: 1:50-1:500
Source: Rabbit	UNIPROT ID: P46379	
Isotype: IgG	Full Name: HLA-B associated transcript 3	
Immunogen Catalog Number: AG24525	Calculated MW: 119 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls: WB : A431 cells, HEK-293 cells, HeLa cells IP : A431 cells, IHC : human breast cancer tissue, human kidney tissue IF/ICC : HeLa cells,
Cited Applications: WB, IHC, IF, IP, CoIP	
Species Specificity: human	
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	

Background Information

BAT3 also known as Scythe or BAG6, is a nuclear protein implicated in the control of apoptosis and natural killer (NK) cell-dendritic cell (DC) interaction. BAT3 was first discovered as a member of a group of genes located within the class III region of the human major histocompatibility complex on chromosome 6, and has been extensively studied for its role in regulating apoptosis under various stress conditions such as DNA damage and endoplasmic reticulum-related stress. BAT3 has been shown to be required for p53 acetylation, which is critical for the enhancement of p53 transcriptional activity in response to DNA damage. In addition, BAT3 is involved in the regulation of development and reproduction of mammals by acting as a co-chaperone of the heat shock protein HSP70.

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Zhang	35569519	Exp Eye Res	WB,IF
Romain Ragimbeau	33522017	FASEB J	IF
Jing-Ping Huang	36045679	Front Immunol	WB,IF

Storage

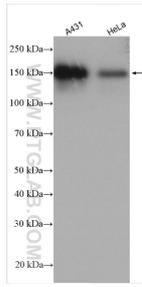
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

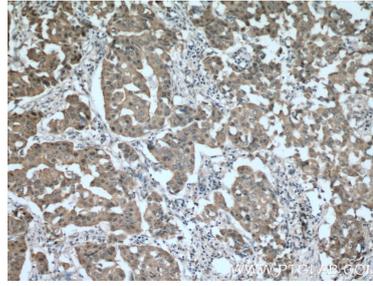
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

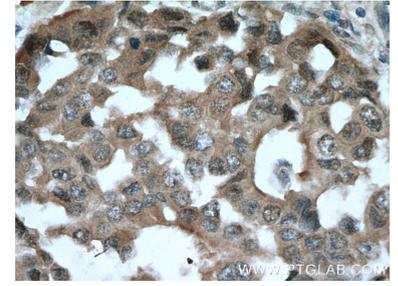
Selected Validation Data



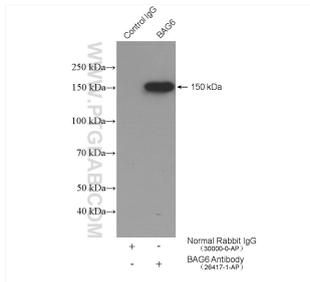
Various lysates were subjected to SDS PAGE followed by western blot with 26417-1-AP (BAG6 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



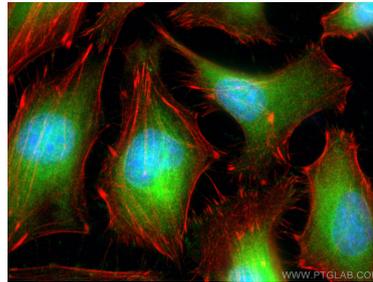
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 26417-1-AP (BAG6 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 26417-1-AP (BAG6 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-BAG6 (IP:26417-1-AP, 4ug; Detection:66661-1-Ig 1:600) with A431 cells lysate 1920 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using BAG6 antibody (26417-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).