

## BAG6 Monoclonal antibody

Catalog Number: 66661-1-Ig

Featured Product

1 Publications

## Basic Information

<b>Catalog Number:</b> 66661-1-Ig	<b>GenBank Accession Number:</b> BC003133	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 7917	<b>CloneNo.:</b> 1B8D3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P46379	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> HLA-B associated transcript 3	
<b>Immunogen Catalog Number:</b> AG24525	<b>Calculated MW:</b> 119 kDa	
	<b>Observed MW:</b> 150-160 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
Human, mouse, rat

**Cited Species:**  
human

**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 :** LNCaP cells, HEK-293 cells, HeLa cells, HSC-T6 cells, NIH/3T3 cells, RAW 274.7 cells, PC-12 cells, Jurkat cells, HepG2 cells

**IHC :** human breast cancer tissue, human testis tissue

## 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
Xiyan Hu	32645369	Mol Cell	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

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

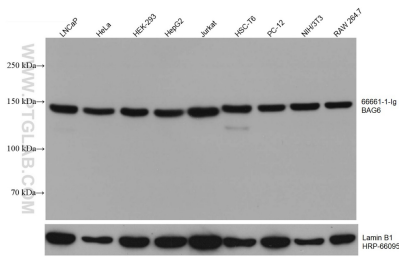
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

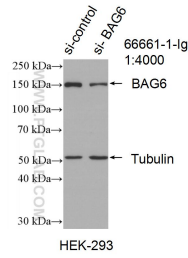
W: [ptgcn.com](http://ptgcn.com)

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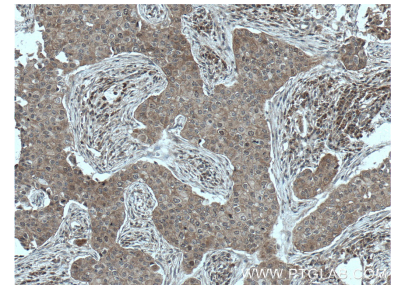
## Selected Validation Data



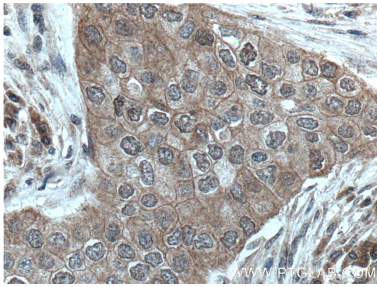
Various lysates were subjected to SDS PAGE followed by western blot with 66661-1-Ig (BAG6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



WB result of BAG6 antibody (66661-1-Ig: 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-BAG6 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66661-1-Ig (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 66661-1-Ig (BAG6 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).