

For Research Use Only

# BAT1 Monoclonal antibody

Catalog Number: 67641-1-Ig



## Basic Information

<b>Catalog Number:</b> 67641-1-Ig	<b>GenBank Accession Number:</b> BC000361	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7919	<b>CloneNo.:</b> 2G9H8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13838	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> HLA-B associated transcript 1	
<b>Immunogen Catalog Number:</b> AG6612	<b>Calculated MW:</b> 53 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IP, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, NIH/3T3 cells, 4T1 cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IP :</b> HeLa cells,
	<b>IHC :</b> human breast cancer tissue,

## Background Information

DDX39B, is a 428 amino acid protein, which contains one helicase C-terminal domain, one helicase ATP-binding domain and belongs to the DEAD box helicase family. DECD subfamily. DDX39B localizes in the nucleus and cytoplasm. BAT1 is involved in nuclear export of spliced and unspliced mRNA. BAT1 as ATP dependent RNA helicase, may be a translation initiation factor and acts as a negative regulator of inflammatory cytokines. This antibody may cross-react with DDX39A.

## Storage

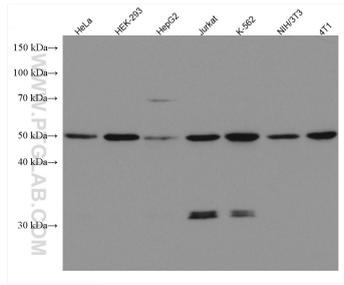
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

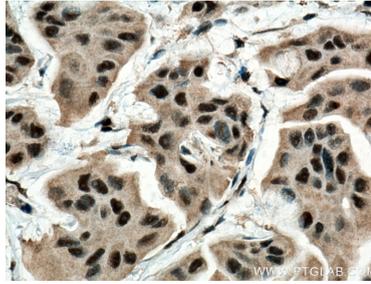
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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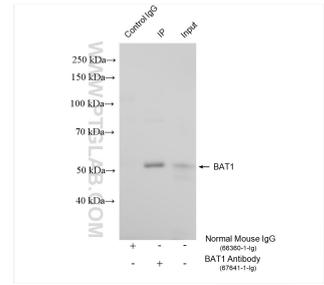
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67641-1-Ig (BAT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67641-1-Ig (BAT1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-BAT1 (IP:67641-1-Ig, 4ug; Detection:67641-1-Ig 1:2000) with HeLa cells lysate 1280 ug.