

For Research Use Only

# GTPBP3 Polyclonal antibody

Catalog Number: 10764-1-AP

3 Publications



## Basic Information

<b>Catalog Number:</b> 10764-1-AP	<b>GenBank Accession Number:</b> BC019261	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop and 600 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 84705	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF-Fro 1:200-1:800 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q969Y2	
<b>Isotype:</b> IgG	<b>Full Name:</b> GTP binding protein 3 (mitochondrial)	
<b>Immunogen Catalog Number:</b> AG1198	<b>Calculated MW:</b> 52 kDa	
	<b>Observed MW:</b> 45-50 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IF-Fro, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, IHC : human breast cancer tissue, IF-Fro : mouse breast cancer, IF/ICC : U2OS cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<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>	

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Zhuo	35597784	Cell Discov	WB
Xinxin Zuo	33398173	Nat Struct Mol Biol	WB
Avery S Ward	38310615	Mol Biol Rep	WB

## Storage

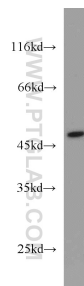
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

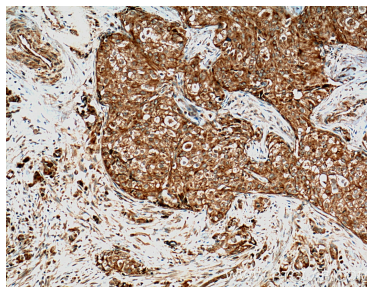
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

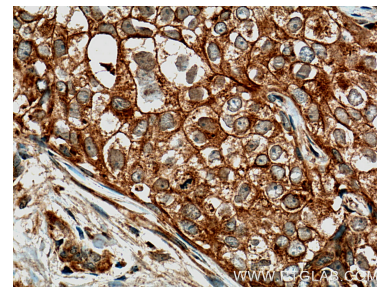
## Selected Validation Data



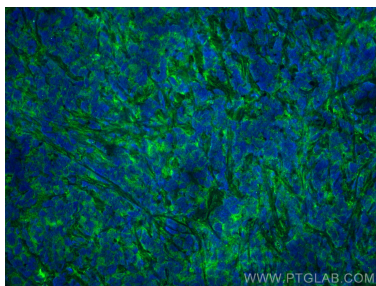
Jurkat cells were subjected to SDS PAGE followed by western blot with 10764-1-AP (GTPBP3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



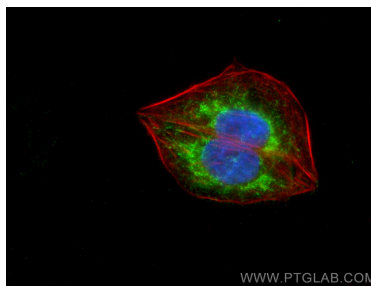
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10764-1-AP (GTPBP3 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10764-1-AP (GTPBP3 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse breast cancer using GTPBP3 antibody (10764-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using GTPBP3 antibody (10764-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).