

For Research Use Only

# GATA3 Polyclonal antibody

Catalog Number: 22343-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 22343-1-AP	<b>GenBank Accession Number:</b> BC006793	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2625	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IF/ICC 1:300-1:1200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P23771	
<b>Isotype:</b> IgG	<b>Full Name:</b> GATA binding protein 3	
<b>Immunogen Catalog Number:</b> AG17833	<b>Calculated MW:</b> 443 aa, 48 kDa	
	<b>Observed MW:</b> 37 kDa and 48 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, mouse thymus tissue IF/ICC : MCF-7 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> mouse	

## Background Information

Trans-acting T-cell-specific transcription factor, also known as GATA-3, belongs to the zinc-finger transcription factor GATA family which drives the differentiation of T helper (Th) 2 cells. GATA factors are expressed in a tissue-specific manner and GATA3 is present in both hematopoietic (e.g., T cells) and non-hematopoietic tissues, including the kidney, central nervous system, skin and mammary gland (PMID: 25148023). GATA-3 plays a central role in Th2 responses both in vitro and in vivo (PMID: 16467870). The full length GATA3 protein contains 444 aa corresponding to the molecular weights of 48,0 kDa, and the truncated protein was detected at approximately 37 kDa (PMID: 24758297).

## Notable Publications

Author	Pubmed ID	Journal	Application
Tao Yang	33340526	Life Sci	WB

## Storage

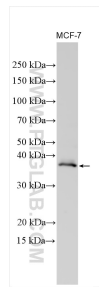
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

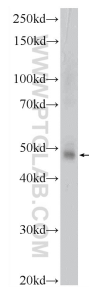
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

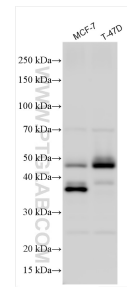
## Selected Validation Data



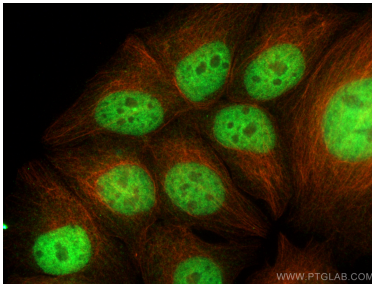
MCF-7 cells were subjected to SDS PAGE followed by western blot with 22343-1-AP (GATA3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 22343-1-AP (GATA3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 22343-1-AP (GATA3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using GATA3 antibody (22343-1-AP) at dilution of 1:600 and CoralLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).