

For Research Use Only

# GFI1 Polyclonal antibody

Catalog Number: 14198-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 14198-1-AP	<b>GenBank Accession Number:</b> BC032751	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2672	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> growth factor independent 1 transcription repressor	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 45 kDa	
<b>Immunogen Catalog Number:</b> AG5401	<b>Observed MW:</b> 62-66 kDa	

## Applications

<b>Tested Applications:</b> WB,ELISA	<b>Positive Controls:</b> WB : K-562 cells, HL-60 cells, mouse thymus tissue, PC-3 cells, Raji cells, RAW264.7
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	

## Background Information

GFI1 is a transcriptional repressor that is transiently induced during T-cell differentiation. It has critical roles in enhancing T helper-2 (Th2) cell expansion and in repressing induction of Th17 and CD103-positive inducible regulatory T (Treg) cells [PMID: 19188499]. GFI1 transcriptional regulator oncoprotein plays a crucial role in hematopoietic, inner ear, and pulmonary neuroendocrine cell development and governs cell processes as diverse as self-renewal of hematopoietic stem cells, proliferation, apoptosis, differentiation, cell fate specification, and oncogenesis (PMID: 18805794). The calculated molecular weight of GFI1 protein is about 45 kDa, but the modification of ubiquitinated GFI1 protein is about 62-66 kDa (PMID: 12721361).

## Notable Publications

Author	Pubmed ID	Journal	Application
Joshua E Burda	35614216	Nature	IHC

## Storage

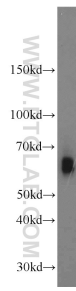
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 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



K-562 cells were subjected to SDS PAGE followed by western blot with 14198-1-AP (GFI1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.