

For Research Use Only

GFI1 Polyclonal antibody

Catalog Number: 14198-1-AP

1 Publications



Basic Information

Catalog Number:

14198-1-AP

Size:

150ul , Concentration: 400 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5401

GenBank Accession Number:

BC032751

GeneID (NCBI):

2672

UNIPROT ID:

Q99684

Full Name:

growth factor independent 1 transcription repressor

Calculated MW:

45 kDa

Observed MW:

62-66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : K-562 cells, HL-60 cells, mouse thymus tissue, PC-3 cells, Raji cells, RAW264.7

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

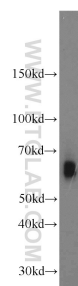
For technical support and original validation data for this product please contact:

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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.