



## Datasheet for ABIN6971682 **anti-GFI1 antibody (N-Term)**



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### 1 Image

#### Overview

Quantity:	100 µL
Target:	GFI1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	This antibody was raised against a peptide within the N-terminal region of human GFI1.
Isotype:	IgG
Characteristics:	GFI1 (growth factor independent 1 transcription repressor) is a transcription repressor essential for hematopoiesis. Functions in a cell-context and development-specific manner. Binds to 5'-TAAATCAC[AT]GCA-3' in the promoter region of a large number of genes. Component of several complexes, including the EHMT2-GFI1-HDAC1, AJUBA-GFI1-HDAC1 and RCOR-GFI-KDM1A-HDAC complexes, that suppress, via histone deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell development. Regulates neutrophil differentiation, promotes proliferation of lymphoid cells, and is required for granulocyte development. Mediates, together with U2AF1L4, the alternative splicing of CD45 and controls T-cell receptor signaling. Regulates the endotoxin-mediated Toll-like receptor (TLR) inflammatory response by antagonizing RELA. Cooperates with CBFA2T2 to regulate ITGB1-dependent neurite growth. Controls cell-cycle progression by repressing CDKN1A/p21 transcription in

## Product Details

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response to TGFB1 via recruitment of GFI1 by ZBTB17 to the CDKN1A/p21 and CDKN1B promoters. Required for the maintenance of inner ear hair cells. GFI1 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot, it has been shown to react with Human samples.

Purification: Affinity Purified

## Target Details

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Target: GFI1

Alternative Name: GFI1 ([GFI1 Products](#))

Molecular Weight: 55 kDa

NCBI Accession: [NP\\_005254](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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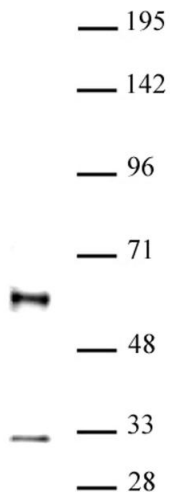
Buffer: Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



### Western Blotting

**Image 1.** GF11 antibody (pAb) tested by Western blot. Nuclear extract of THP-1 cells (20 µg) probed with GF11 antibody (pAb) at a dilution of 1:500.