

Datasheet for ABIN2779720
anti-GFI1 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	GFI1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Rabbit, Guinea Pig, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GFI1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GFI1
Sequence:	VPAPSRADST SNAGGAKAEP RDRLSPESQL TEAPDRASAS PDSCEGSVCE
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 79%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against GFI1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	GFI1
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Target Details

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

Background: GFI1 may be a transcription factor involved in regulating the expression of genes active in the S phase during cell cycle progression in T-cells. GFI1 may be involved in tumor progression. Defects in GFI1 are a cause of autosomal dominant severe congenital neutropenia (SCN) and dominant nonimmune chronic idiopathic neutropenia of adults (NI-CINA) This gene encodes a nuclear zinc finger protein that functions as a transcriptional repressor. This protein plays a role in diverse developmental contexts, including hematopoiesis and oncogenesis. It functions as part of a complex along with other cofactors to control histone modifications that lead to silencing of the target gene promoters. Mutations in this gene cause autosomal dominant severe congenital neutropenia, and also dominant nonimmune chronic idiopathic neutropenia of adults, which are heterogeneous hematopoietic disorders that cause predispositions to leukemias and infections. Multiple alternatively spliced variants, encoding the same protein, have been identified for this gene.

Alias Symbols: ZNF163, SCN2, GFI-1

Protein Interaction Partner: RELA, SPI1, CHAF1A, PICK1, PIAS2, RCOR1, KDM1A, HDAC2, PRDM5, HDAC1, EHMT2, PIAS3, RUNX1T1, ARIH2, UBC,

Protein Size: 422

Molecular Weight: 45 kDa

Gene ID: 2672

NCBI Accession: [NM_005263](#), [NP_005254](#)

UniProt: [Q99684](#)

Application Details

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

Comment: Antigen size: 422 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-GFI1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Human Lung