Datasheet for ABIN7599380

anti-GFI1 antibody (AA 1-422)

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Overview

Quantity:	100 µg
Target:	GFI1
Binding Specificity:	AA 1-422
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GFI1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GFI1 Antibody Picoband®
Immunogen:	E.coli-derived human GFI1 recombinant protein (Position: M1-K422).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-GFI1 Antibody Picoband® (ABIN7599380). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	GFI1
Alternative Name:	GFI1 (GFI1 Products)
Background:	Synonyms: Zinc finger protein Gfi-1, Growth factor independent protein 1, Zinc finger protein 163, GFI1, ZNF163 Tissue Specificity: Isoform 1 is expressed in pancreas. Isoform 2 and isoform 3 is expressed in liver. Background: Zinc finger protein Gfi-1 is a transcriptional repressor that in humans is encoded by the GFI1 gene. It is mapped to 1p22.1. 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.
Molecular Weight:	55 kDa
Gene ID:	2672
UniProt:	Q99684

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -
	1. Bell, D. W., Taguchi, T., Jenkins, N. A., Gilbert, D. J., Copeland, N. G., Gilks, C. B., Zweidler-McKay, P., Grimes, H. L., Tsichlis, P. N., Testa, J. R. Chromosomal localization of a gene, GFI1, encoding a novel zinc finger protein reveals a new syntenic region between man and rodents. Cytogenet. Cell Genet. 70: 263-267, 1995. 2. Duan, Z., Horwitz, M. Targets of the transcriptional repressor oncoprotein Gfi-1. Proc. Nat. Acad. Sci. 100: 5932-5937, 2003. Note: Erratum: Proc. Nat. Acad. Sci. 108: 16134 only, 2011. 3. Gilks, C. B., Bear, S. E., Grimes, H. L., Tsichlis, P. N. Progression of interleukin-2 (IL-2)-dependent rat T cell lymphoma lines to IL-2-independent growth following activation of a gene (Gfi1) encoding a novel zinc finger protein. Molec. Cell

Application Details

	Biol. 13: 1759-1768, 1993.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
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:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.