

Datasheet for 600-401-BP7**GZF1 Antibody****Overview**

Description:	Anti-GZF1 (RABBIT) Antibody - 600-401-BP7
Item No.:	600-401-BP7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The GDNF-inducible zinc finger protein 1 (GZF1) is a sequence-specific transcriptional repressor with a BTB/POZ domain and ten zinc finger motifs whose expression is required for renal branching morphogenesis during kidney development. GZF1 binds to the 5'regulatory region of the homeodomain protein HOXA10, suggesting that GZF1 may play a role in morphogenesis other than kidney development. Recent experiments have indicated that GZF1 associates with nucleolin and this association is mediated by the first four zinc finger motifs of GZF1. It is thought that Nucleolin modulates the subcellular localization of GZF1 as well as its transcriptional repressor activity.
Synonyms:	GZF1 Antibody, ZBTB23, ZNF336, ZBTB23, GDNF-inducible zinc finger protein 1, Zinc finger and BTB domain-containing protein 23
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GZF1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-GZF1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human GZF1.

Purity/Specificity:	Anti-GZF1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. GZF1 antibody is human specific. At least four isoforms of GZF1 are known to exist.
Relevant Links:	• UniProtKB - Q9H116 • GeneID - 64412 • NCBI - NP_071927

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-GZF1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 80 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	2.5 µg/mL
IHC:	2.5 µg/mL
WB:	1 µg/mL

Formulation

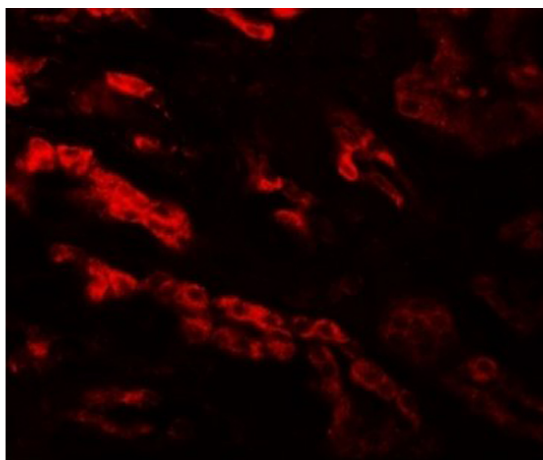
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

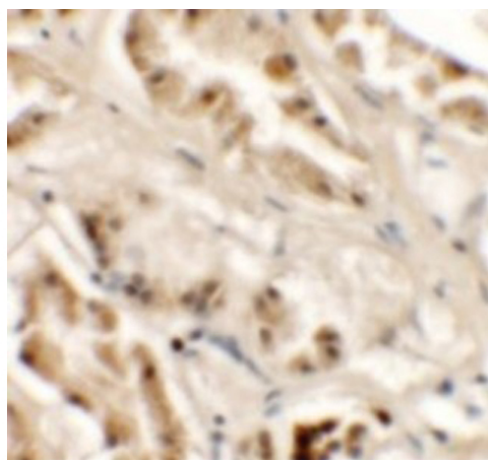
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence of GZF1.

Tissue: human kidney tissue.

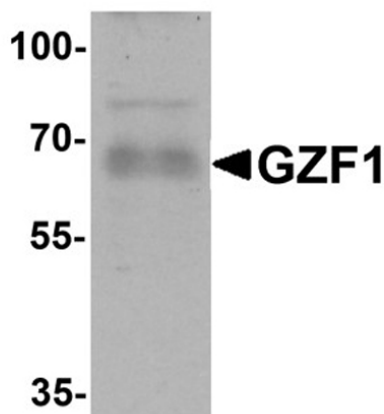
Primary Antibody: GZF1 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of GZF1.

Tissue: human kidney tissue.

Primary Antibody: GZF1 antibody at 2.5 µg/mL.

**Western Blot**

Western blot analysis of GZF1.

Load: human heart tissue lysate.

Primary Antibody: GZF1 antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.