Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-GD4

ZFP281 Antibody

Overview

Description:	Anti-ZFP281 (RABBIT) Antibody - 600-401-GD4
Item No.:	600-401-GD4
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	ZFP281, also known as ZBP-99, is a member of a conserved family of transcription factors that interact with GC-rich promoters. It contains four Kruppel-like zinc fingers and is highly homologous to ZBP-89, another regulator of ornithine decarboxylase gene expression. ZFP281 also interacts with many other transcription factors, such as Sp1 to repress vimentin gene transcription. ZFP281 has also been shown to control embryonic stem cell pluripotency by direct regulating specific target genes. ZFP281 physically interacts with the transcription factors POU5F1, Sox2, and NANOG. Gene expression microarray analysis indicated that some ZFP281 target genes were activated, while others were repressed upon knockdown of ZFP281 expression, showing that ZFP281 plays bifunctional roles in regulating gene expression in stem cells.
Synonyms:	ZFP281 Antibody, ZBP-99, ZNP-99, GZP1, ZBP99, Zinc finger protein 281, GC-box-binding zinc finger protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ZNF281
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-ZFP281 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the C-terminus of human ZFP281.
Purity/Specificity:	Anti-ZFP281 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with ZFP281 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9Y2X9 • GeneID - 23528 • NCBI - NP_001268222.1

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-ZFP281 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 97 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:	1:2500 - 1:5000
IF:	20 µg/mL
WB:	0.25-0.5 µg/mL

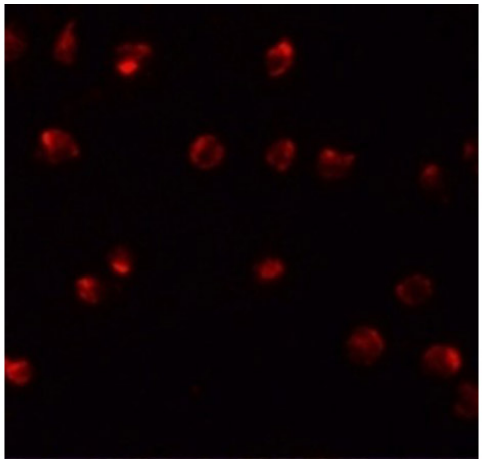
Formulation

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

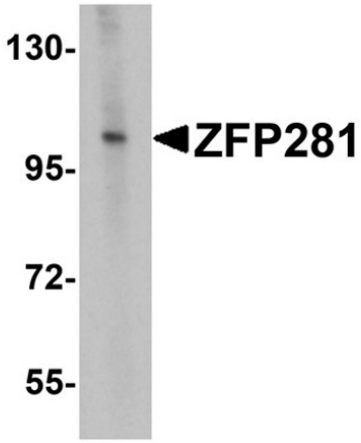
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence of ZFP281.
Cell: A20 cells.
Primary Antibody: ZFP281 antibody at 20 µg/mL.



Western Blot
Western blot analysis of ZFP281.
Load: A20 cell lysate.
Primary Antibody: ZFP281 antibody at 0.5 µg/mL.

Disclaimer