



Rabbit Anti-ZNF281 antibody

SL12208R

Product Name:	ZNF281
Chinese Name:	Zinc finger protein281抗体
Alias:	Zfp281; GC box binding zinc finger protein 1; GC-box-binding zinc finger protein 1; GZP1; Transcription factor ZBP-99; ZBP 99; ZBP99; zfp281; Zinc finger DNA binding protein 99; Zinc finger DNA-binding protein 99; Zinc Finger Protein 281; ZN281 HUMAN; ZNF281; ZNP 99; ZNP 99 transcription factor; ZNP99.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	97kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human ZNF281:802-895/895
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. ZNF281, also known as GC-box-binding zinc finger protein 1, ZBP-99 or ZNP-99 (zinc finger DNA-binding protein 99), is a zinc finger protein that belongs to the Krüppel C2H2-type zinc finger protein family. It is expressed ubiquitously at low

levels with predominant expression in kidney, liver, lymphocytes and placenta. ZNF281 localizes to the nucleus and contains four C2H2-type zinc fingers. ZNF281 plays a role in repressing the transcription of a variety of genes including Gastrin and ODC (ornithine decarboxylase). In particular, ZNF281 functions by binding to the G-rich box in the enhancer region of the gene. Upon DNA damage, ZNF281 may become phosphorylated by Atm or ATR.

Function:

Involved in transcriptional regulation. Represses the transcription of a number of genes including gastrin and ornithine decarboxylase. Binds to the G-rich box in the enhancer region of these genes.

Subcellular Location:

Nucleus.

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Belongs to the krueppel C2H2-type zinc-finger protein family.
Contains 4 C2H2-type zinc fingers.

SWISS:

Q9Y2X9

Gene ID:

23528

Database links:

[Entrez Gene: 23528](#)Human

[Entrez Gene: 226442](#)Mouse

[Entrez Gene: 305083](#)Rat

[SwissProt: Q9Y2X9](#)Human

[Unigene: 59757](#)Human

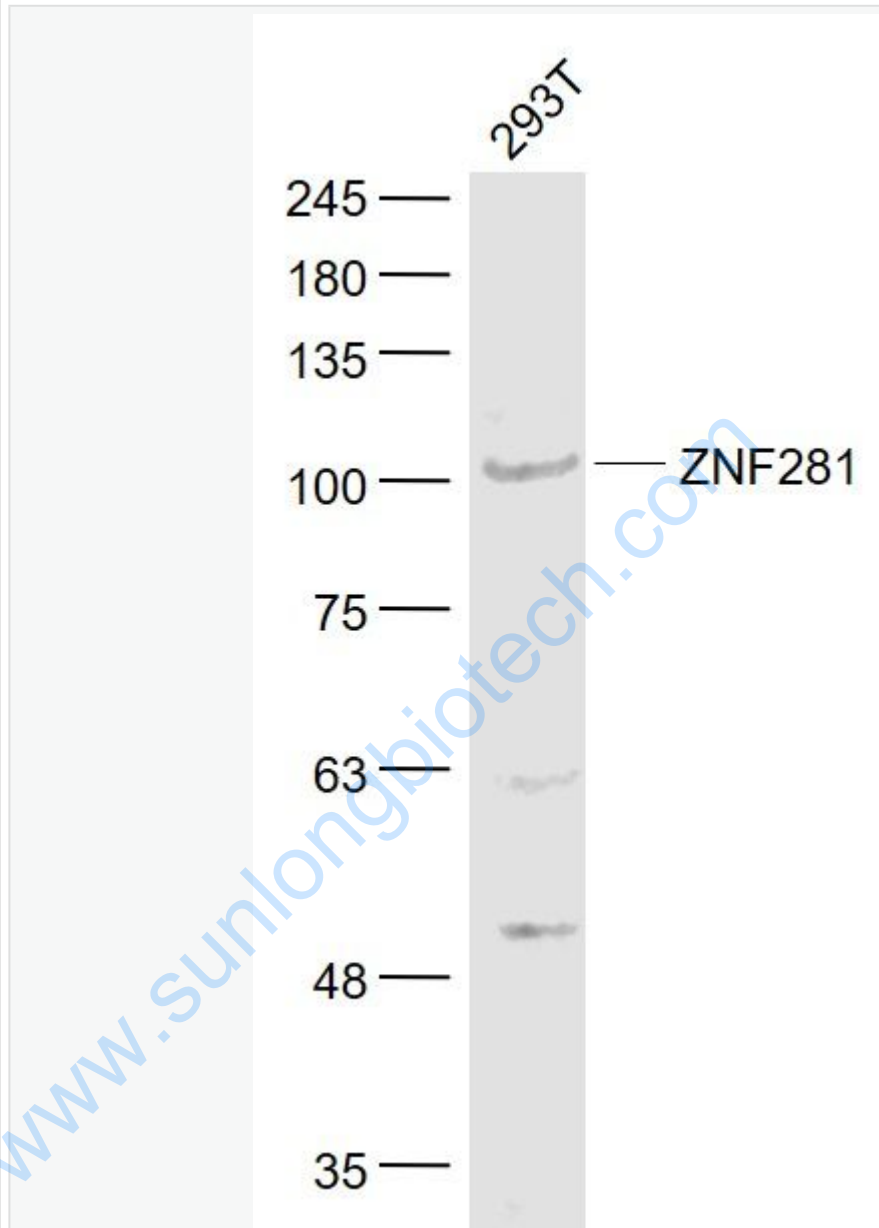
[Unigene: 62521](#)Mouse

[Unigene: 204958](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

293T(Human) Cell Lysate at 30 ug

Primary: Anti- ZNF281 (SL12208R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 97 kD

	Observed band size: 100 kD
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