

**ZNF281 Antibody (N-term) Blocking Peptide**

Synthetic peptide  
Catalog # BP1983a

**Specification**

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**ZNF281 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [O9Y2X9](#)  
Other Accession [Q5RKW5](#)

**ZNF281 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 23528

**Other Names**

Zinc finger protein 281, GC-box-binding zinc finger protein 1, Transcription factor ZBP-99, Zinc finger DNA-binding protein 99, ZNF281, GZP1, ZBP99

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1983a](/product/products/AP1983a) was selected from the N-term region of human ZNF281. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ZNF281 Antibody (N-term) Blocking Peptide - Protein Information**

Name ZNF281

Synonyms GZP1, ZBP99

**Function**

Transcription repressor that plays a role in regulation of embryonic stem cells (ESCs) differentiation. Required for ESCs differentiation and acts by mediating autorepression of NANOG in ESCs: binds to the NANOG promoter and promotes association of NANOG protein to its own promoter and recruits the NuRD complex, which deacetylates histones. Not required for establishment and maintenance of ESCs (By similarity). Represses the transcription of a number of genes including GAST, ODC1 and VIM. Binds to the G-rich box in the enhancer region of these genes.

**Cellular Location**

Nucleus.

**ZNF281 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**ZNF281 Antibody (N-term) Blocking Peptide - Images****ZNF281 Antibody (N-term) Blocking Peptide - Background**

This zinc finger protein is involved in transcriptional regulation. It represses the transcription of a number of genes including gastrin and ornithine decarboxylase. It binds to the G-rich box in the enhancer region of these genes and may also complex with Oct4.

**ZNF281 Antibody (N-term) Blocking Peptide - References**

Law,D.J., Biochem. Biophys. Res. Commun. 262 (1), 113-120 (1999)Lisowsky,T., FEBS Lett. 453 (3), 369-374 (1999)