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ZNF281 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP1983a

Specification

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

Primary Accession	Q9Y2X9
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 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 establishement 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)