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ZNF281 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21118a

Product Information

Application	WB, E
Primary Accession	Q9Y2X9
Reactivity	Human, Mouse
Predicted	Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51562
Calculated MW	96915

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	This ZNF281 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 416-450 amino acids from the Central region of human ZNF281.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ZNF281 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

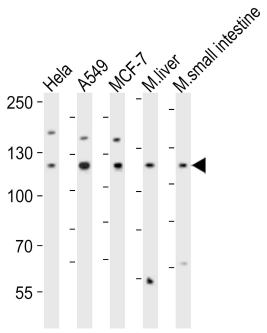
Background

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.

References

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Lisowsky T.,et al.FEBS Lett. 453:369-374(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Zhang X.,et al.Nucleic Acids Res. 31:2900-2914(2003).

Images



Western blot analysis of lysates from Hela, A549, MCF-7 cell line, mouse liver, mouse small intestine tissue lysate(from left to right), using ZNF281 Antibody (Center)(Cat. #AP21118a). AP21118a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.