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FIGLA Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18020c

Product Information

Application	WB, E
Primary Accession	Q6QHK4
Other Accession	NP_001004311.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25388
Calculated MW	24123
Antigen Region	108-137

Additional Information

Gene ID	344018
Other Names	Factor in the germline alpha, FIGalpha, Class C basic helix-loop-helix protein 8, bHLHc8, Folliculogenesis-specific basic helix-loop-helix protein, Transcription factor FIGa, FIGLA, BHLHC8
Target/Specificity	This FIGLA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 108-137 amino acids from the Central region of human FIGLA.
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	FIGLA Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FIGLA
Synonyms	BHLHC8

Function	Germline specific transcription factor implicated in postnatal oocyte-specific gene expression. Plays a key regulatory role in the expression of multiple oocyte-specific genes, including those that initiate folliculogenesis and those that encode the zona pellucida (ZP1, ZP2 and ZP3) required for fertilization and early embryonic survival. Essential for oocytes to survive and form primordial follicles. The persistence of FIGLA in adult females suggests that it may regulate additional pathways that are essential for normal ovarian development. Binds to the E-box (5'-CANNTG-3') of the ZPs (ZP1, ZP2, ZP3) promoters.
Cellular Location	Nucleus.
Tissue Location	Germ cells. Expressed in the fetal ovary, but not by a range of other tissues. Expression increases across mid-gestation, rising some 40-fold by the time of primordial follicle formation

Background

This gene encodes a protein that functions in postnatal oocyte-specific gene expression. The protein is a basic helix-loop-helix transcription factor that regulates multiple oocyte-specific genes, including genes involved in folliculogenesis and those that encode the zona pellucida. Mutations in this gene cause premature ovarian failure type 6.

References

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Tormala, R.M., et al. Mol. Cell. Endocrinol. 289 (1-2), 10-15 (2008) :
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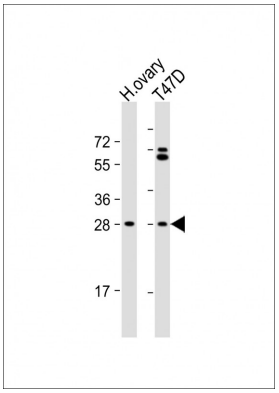
Images



All lanes : Anti-FIGLA Antibody (Center) at 1:1000 dilution Lane 1: human ovary lysate Lane 2: T47D whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.