

FIGLA Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18020c**Specification**

FIGLA Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q6QHK4](#)

FIGLA Antibody (Center) Blocking Peptide - 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

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.

FIGLA Antibody (Center) Blocking Peptide - 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

FIGLA Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FIGLA Antibody (Center) Blocking Peptide - Images

FIGLA Antibody (Center) Blocking Peptide - 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.

FIGLA Antibody (Center) Blocking Peptide - References

van Dooren, M.F., et al. Curr. Opin. Obstet. Gynecol. 21(4):313-317(2009) Fowler, P.A., et al. J. Clin. Endocrinol. Metab. 94(4):1427-1435(2009) Tormala, R.M., et al. Mol. Cell. Endocrinol. 289 (1-2), 10-15 (2008) :Zhao, H., et al. Am. J. Hum. Genet. 82(6):1342-1348(2008) Suzumori, N., et al. Curr. Med. Chem. 14(3):353-357(2007)