

Figla Antibody

Catalog No: #48242



Package Size: #48242-1 50ul #48242-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

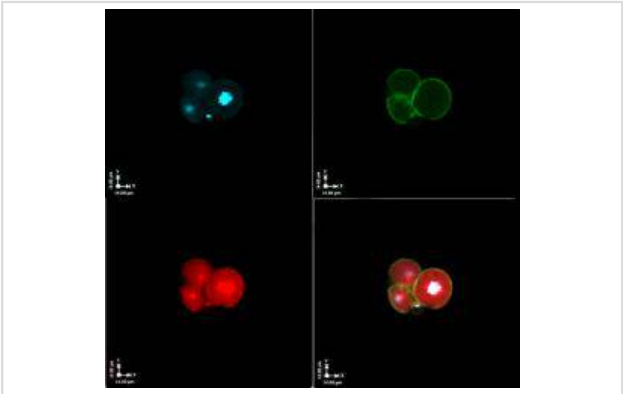
Description

Product Name	Figla Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	ICC
Species Reactivity	Ms
Immunogen Description	peptide
Other Names	bHLHc8 antibody Class C basic helix-loop-helix protein 8 antibody Factor in the germline alpha antibody FIGalpha antibody FIGLA antibody FIGLA_HUMAN antibody Folliculogenesis specific basic helix loop helix antibody Folliculogenesis-specific basic helix-loop-helix protein antibody POF6 antibody Transcription factor FIGa antibody
Accession No.	Swiss-Prot#:O55208
Uniprot	O55208
GeneID	26910;
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

ICC: 1:100

Images



Immunocytochemical staining of mouse three-cell embryos using anti-Figla rabbit polyclonal antibody (red). (Green: F-actin, Blue: DAPI)

Background

Ovarian folliculogenesis is an intricate process involving interactions between germ and somatic cells in mammals. FIGLA (folliculogenesis specific basic helix-loop-helix), also known as POF6, BHLHC8 or FIGALPHA, is a 219 amino acid nuclear protein expressed in fetal ovary and germ cells. FIGLA contains one basic helix-loop-helix (bHLH) domain and heterodimerizes with E12, a transcription factor that influences gene expression during

B cell maturation. Acting as a germline specific transcription factor and a key player of ovarian folliculogenesis, FIGLA regulates the expression of multiple oocyte-specific genes that are required for fertilization and early embryonic survival. Mutations in the gene encoding FIGLA may be the cause of Premature Ovarian Failure (POF), a genetically heterogeneous disorder that leads to hypergonadotropic ovarian failure and infertility. POF is characterized by amenorrhea, hypoestrogenism and elevated serum gonadotropin concentrations. FIGLA inhibits the expression of male germ cell specific genes during oogenesis.

## References

---

---

Note: This product is for in vitro research use only