

FOXL2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10166a**Specification**

FOXL2 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [P58012](#)
Other Accession [NP_075555.1](#)

FOXL2 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 668

Other Names

Forkhead box protein L2, FOXL2

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.

FOXL2 Antibody (N-term) Blocking peptide - Protein Information

Name FOXL2

Function

Transcriptional regulator. Critical factor essential for ovary differentiation and maintenance, and repression of the genetic program for somatic testis determination. Prevents trans- differentiation of ovary to testis through transcriptional repression of the Sertoli cell-promoting gene SOX9 (By similarity). Has apoptotic activity in ovarian cells. Suppresses ESR1-mediated transcription of PTGS2/COX2 stimulated by tamoxifen (By similarity). Is a regulator of CYP19 expression (By similarity). Participates in SMAD3-dependent transcription of FST via the intronic SMAD-binding element (By similarity). Is a transcriptional repressor of STAR. Activates SIRT1 transcription under cellular stress conditions. Activates transcription of OSR2.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089, ECO:0000269|PubMed:19744555}

Tissue Location

In addition to its expression in the developing eyelid, it is transcribed very early in somatic cells of the developing gonad (before sex determination) and its expression persists in the follicular cells of the adult ovary

FOXL2 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

FOXL2 Antibody (N-term) Blocking peptide - Images**FOXL2 Antibody (N-term) Blocking peptide - Background**

This gene encodes a forkhead transcription factor. The protein contains a fork-head DNA-binding domain and may play a role in ovarian development and function. Mutations in this gene are a cause of blepharophimosis syndrome and premature ovarian failure 3.

FOXL2 Antibody (N-term) Blocking peptide - References

Nakashima, M., et al. Nat. Genet. 42(9):768-771(2010) Kraoua, L., et al. Clin. Genet. 77(6):601-603(2010) Murphy, B.D. Nat. Med. 16(5):527-529(2010) Corpuz, P.S., et al. Mol. Endocrinol. 24(5):1037-1051(2010) Kim, T., et al. Histopathology 56(3):408-410(2010)