

**FoxL2 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10565****Specification**

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**FoxL2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P58012</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	38772

**FoxL2 Antibody - Additional Information****Gene ID 668**

Application & Usage	<b>Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes the FOXL2 of human, mouse, and rat origins. Rat kidney tissue lysate can be used as a positive control.</b>
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**Other Names**

forkhead box L2 , forkhead transcription factor, FOX L2, FOXL 2, BPES, BPES1, PFRK, PINTO, POF3

**Target/Specificity**

FoxL2

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

FoxL2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **FoxL2 Antibody - 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 - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **FoxL2 Antibody - Images**

## **FoxL2 Antibody - Background**

FOXL2 is a nuclear protein specially expressed in eyelids and in fetal and adult ovarian follicular cells. Defects in FOXL2 are cause of blepharophimosis, ptosis and epicanthus inversus syndrome (BPES). It is an autosomal dominant disorder characterized by eyelid dysplasia, small palpebral fissures, drooping eyelids and a skin fold. It is also associated with female infertility.