

**Rabbit Anti-FOXL2 Polyclonal: RC0107**

**Intended Use:** For Research Use Only

**Description:** Forkhead box protein L2 (FOXL2) is a fork-head transcription factor that is expressed in developing gonad and in granulosa cells of the mature ovary. It plays a role in repressing the development of testis, and facilitating the differentiation and maintenance of the ovary. Mutations in the FOXL2 gene result in blepharophimosis ptosis epicanthus inversus (BPES) syndrome, which is characterized by craniofacial defects and premature ovarian failure. FOXL2 has also been implicated in the development of ovarian granulosa cell tumors.

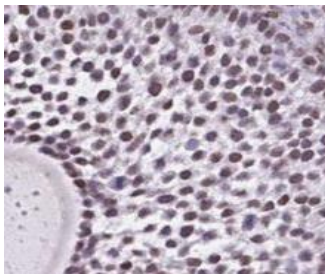
**Specifications**

Clone: Polyclonal  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human, mouse  
Localization: Nucleus  
Formulation: Purified antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC, WB  
Package:

Description	Catalog No.	Size
FOXL2 Polyclonal Concentrated	RC0107	1 ml

**IHC Procedure\***

Positive Control Tissue: Ovary tissue  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual  
\* Result should be confirmed by an established diagnostic procedure.



FFPE human ovary tissue stained with anti-FOXL2 in follicle cells using DAB

**References:**

1. Sox9 and Sox8 Are Required for Basal Lamina Integrity of Testis Cords and for Suppression of FOXL2 During Embryonic Testis Development in Mice. Georg I, et al. Biol Reprod 87:99, 2012.
2. Testicular differentiation occurs in absence of R-spondin1 and Sox9 in mouse sex reversals. Lavery R, et al. PLoS Genet 8:e1003170, 2012.
3. RSPO1/ $\beta$ -catenin signaling pathway regulates oogonia differentiation and entry into meiosis in the mouse fetal ovary. Chassot AA, et al. PLoS One 6:e25641, 2011.
4. Transient development of ovotestes in XX Sox9 transgenic mice. Gregoire EP, et al. Dev Biol 349:65-77, 2011.