

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

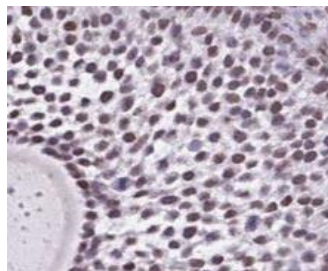
Clone:	Polyclonal
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human, mouse, rat
Localization:	Nucleus
Formulation:	Purified antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC, IF
Package:	

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. Geography of follicle formation in the embryonic mouse ovary impacts activation pattern during the first wave of folliculogenesis. Cordeiro MH, et al. Biol Reprod 93:88, 2015.
2. FOXO1/3 and PTEN Depletion in Granulosa Cells Promotes Ovarian Granulosa Cell Tumor Development. Liu Z, et al. Mol Endocrinol 29:1006-24, 2015.
3. MiR-30a upregulates BCL2A1, IER3 and cyclin D2 expression by targeting FOXL2. Wang T, et al. Oncol Lett 9:967-971, 2015.
4. Epigenetic modification of the leptin promoter in diet-induced obese mice and the effects of N-3 polyunsaturated Fatty acids. Shen W, et al. Sci Rep 4:5282, 2014.
5. FOXL2 in Human Endometrium: Hyperexpressed in Endometriosis. Governini L, et al. Reprod Sci N/A:N/A, 2014.