

Product name:	FoxL2 (phospho Ser263) Rabbit Polyclonal Antibody
Cat number:	ABN04691
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human FOXL2 around the phosphorylation site of Ser263. AA range:229-278
Reactivity:	Human,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight:	40kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

This gene encodes a forkhead transcription factor. The protein contains a forkhead DNA-binding domain and may play a role in ovarian development and function. Expansion of a polyalanine repeat region and other mutations in this gene are a cause of blepharophimosis syndrome and premature ovarian failure 3. [provided by RefSeq, Jul 2016],disease:Defects in FOXL2 are a cause of blepharophimosis, ptosis, and epicanthus inversus syndrome (BPES) [MIM:110100]; also known as blepharophimosis syndrome. It is an autosomal dominant disorder characterized by eyelid dysplasia, small palpebral fissures, drooping eyelids and a skin fold running inward and upward from the lower lid. In type I BPSE (BPES1) eyelid abnormalities are associated with female infertility. Affected females show an ovarian deficit due to primary amenorrhea or to premature ovarian failure (POF). In type II BPSE (BPES2) affected individuals show only the eyelid defects. There is a mutational hotspot in the region coding for the poly-Ala domain, since 30% of all mutations in the ORF lead to poly-Ala expansions, resulting mainly in BPES type II.,disease:Defects in FOXL2 are a cause of premature ovarian failure 3 (POF3) [MIM:608996]. Premature ovarian failure (POF) is a defect of ovarian development and is characterized by hypoestrogenism, primary or secondary amenorrhea, with elevated levels of serum gonadotropins, or by early menopause. POF is defined as the cessation of ovarian function under the age of 40 years.,function:Probable transcriptional regulator.,similarity:Contains 1 forkhead DNA-binding domain.,tissue specificity: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.,