Best Tools for immunology Research

FoxL2 (phospho Ser263) Polyclonal Antibody

Catalog No :	YP0393
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	FoxL2
Gene Name :	FOXL2
Protein Name :	Forkhead box protein L2
Human Gene Id :	668
Human Swiss Prot No :	P58012
Mouse Gene Id :	26927
Mouse Swiss Prot No :	O88470
Immunogen :	The antiserum was produced against synthesized peptide derived from human FOXL2 around the phosphorylation site of Ser263. AA range:229-278
Specificity :	Phospho-FoxL2 (S263) Polyclonal Antibody detects endogenous levels of FoxL2 protein only when phosphorylated at S263.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 40kD

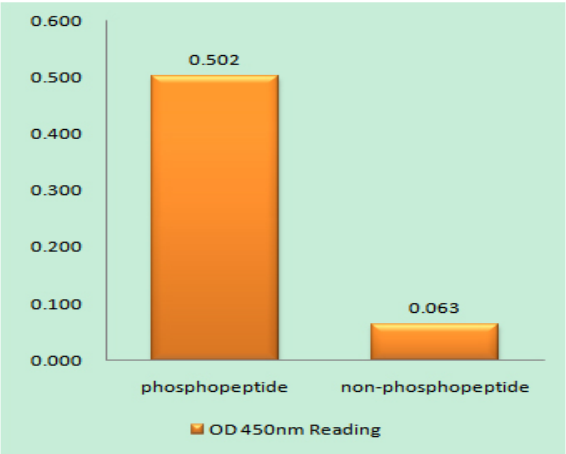
Background : This gene encodes a forkhead transcription factor. The protein contains a forkhead DNA-binding domain and may play a role in ovarian development and function. Expansion of a polyalanine repeat region and other mutations in this gene are a cause of blepharophimosis syndrome and premature ovarian failure 3. [provided by RefSeq, Jul 2016],

Function : 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)

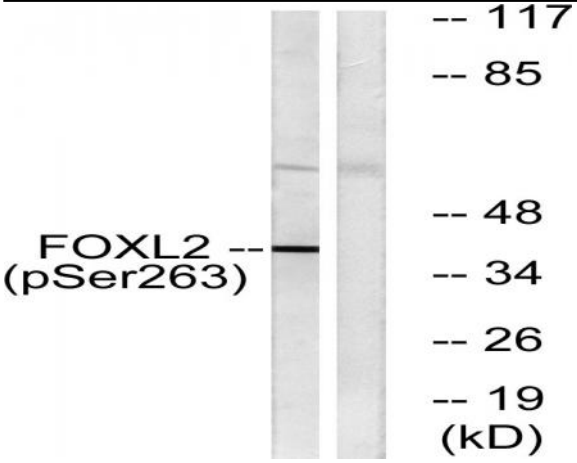
Subcellular Location : Nucleus .

Expression : 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.

Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using FOXL2 (Phospho-Ser263) Antibody



Western blot analysis of lysates from K562 cells treated with Na3VO4 0.3mM 40', using FOXL2 (Phospho-Ser263) Antibody. The lane on the right is blocked with the phospho peptide.