FoxL2 (phospho Ser263) Monoclonal Antibody

Catalog No	BYmab-01315
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	FOXL2
Protein Name	Forkhead box protein L2
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) Monoclonal 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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FOXL2; Forkhead box protein L2
Observed Band	40kD
Cell Pathway	Nucleus .
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.
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)
Background	This gene encodes a forkhead transcription factor. The protein contains a fork-head 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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