



Rabbit Anti-FOXL2 antibody

SL6633R

Product Name:	FOXL2
Chinese Name:	叉头蛋白L2抗体
Alias:	blepharophimosis; Blepharophimosis epicanthus inversus and ptosis 1; Blepharophimosis epicanthus inversus and ptosis; BPES 1; BPES; BPES1; epicanthus inversus and ptosis 1; forkhead box L2; Forkhead box protein L2; forkhead transcription factor FOXL2; FOX L2; FOXL 2; FOXL2; FOXL2_HUMAN; PFRK; PINTO; POF 3; POF3.
文献引用 PubMed :	<p>Specific References(1)SL6633R has been referenced in 1 publications.</p> <p>[IF=2.24]Liu, Xing-Long, et al. "FOXL2 suppresses proliferation, invasion and promotes apoptosis of cervical cancer cells."International Journal of Clinical and Experimental Pathology 7.4 (2014): 1534-1543.IHC-P;Human.</p> <p>PubMed:24817949</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	45-50kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FOXL2:71-170/376
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Transcriptional regulator. Critical factor essential for ovary differentiation and maintenance, and repression of the genetic program for somatic testis determination. Prevents trans-differentiation of ovary to testis through transcriptional repression of the Sertoli cell-promoting gene SOX9 (By similarity). Has apoptotic activity in ovarian cells. Suppresses ESR1-mediated transcription of PTGS2/COX2 stimulated by tamoxifen (By similarity). Is a regulator of CYP19 expression (By similarity). Participates in SMAD3-dependent transcription of FST via the intronic SMAD-binding element (By similarity). Is a transcriptional repressor of STAR. Activates SIRT1 transcription under cellular stress conditions. Activates transcription of OSR2.</p> <p>Function: Transcriptional regulator. Critical factor essential for ovary differentiation and maintenance, and repression of the genetic program for somatic testis determination. Prevents trans-differentiation of ovary to testis through transcriptional repression of the Sertoli cell-promoting gene SOX9 (By similarity). Has apoptotic activity in ovarian cells. Suppresses ESR1-mediated transcription of PTGS2/COX2 stimulated by tamoxifen (By similarity). Is a regulator of CYP19 expression (By similarity). Participates in SMAD3-dependent transcription of FST via the intronic SMAD-binding element (By similarity). Is a transcriptional repressor of STAR. Activates SIRT1 transcription under cellular stress conditions. Activates transcription of OSR2.</p> <p>Subunit: Interacts with ESR1 (By similarity). Interacts with SMAD3 (By similarity). Interacts with DDX20. Interacts with UBE2I/UBC9.</p> <p>Subcellular Location: Nucleus.</p> <p>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.</p> <p>Post-translational modifications: Sumoylated by SUMO1; sumoylation is required for transcriptional repression activity.</p> <p>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</p>

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.

Similarity:

Contains 1 fork-head DNA-binding domain.

SWISS:

P58012

Gene ID:

688

Database links:

[Entrez Gene: 668](#)Human

[Entrez Gene: 26927](#)Mouse

[Entrez Gene: 367152](#)Rat

[Omim: 605597](#)Human

[SwissProt: P58012](#)Human

[SwissProt: O88470](#)Mouse

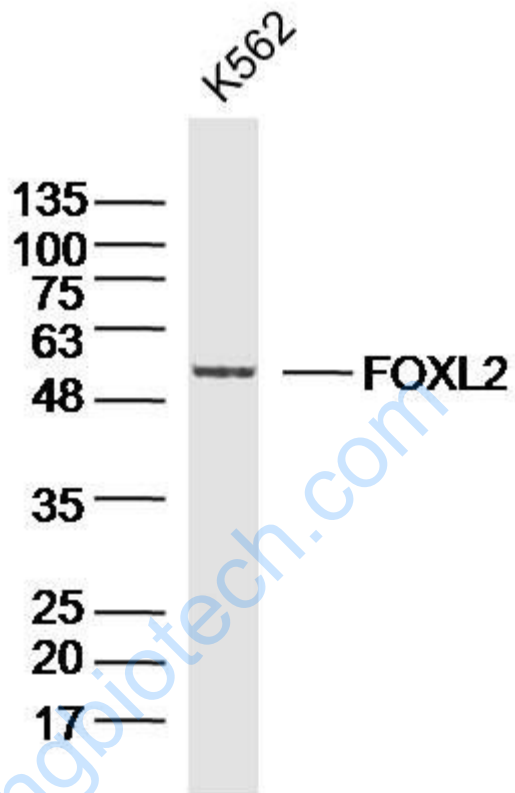
[Unigene: 289292](#)Human

[Unigene: 151239](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

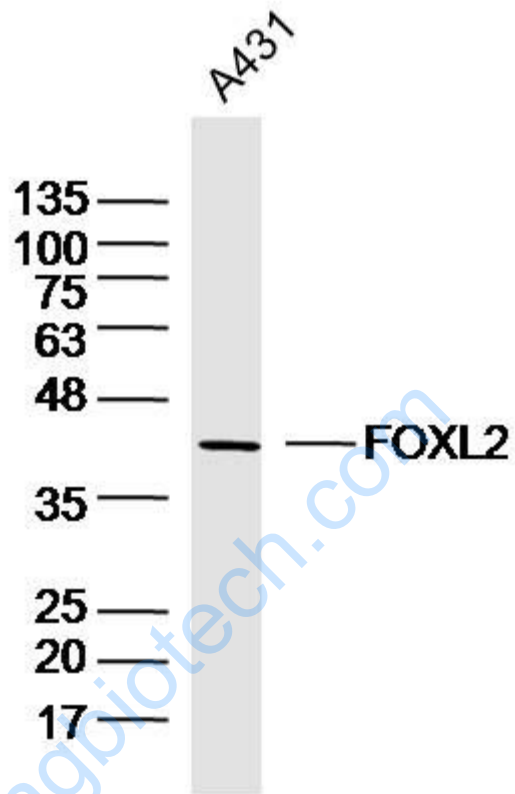
K562 Cell(Human)Lysate at 30 ug

Primary: Anti- FOXL2 (SL6633R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 45-50kD

Observed band size: 50kD



Sample:

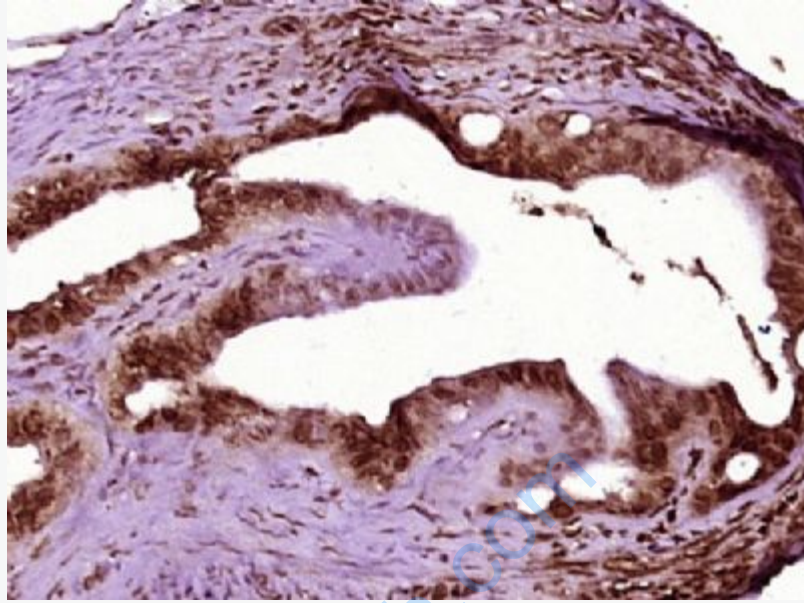
A431 Cell (Human) Lysate at 30 ug

Primary: Anti- FOXL2 (SL6633R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 45-50kD

Observed band size: 45kD



Paraformaldehyde-fixed, paraffin embedded (mouse ovary tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FOXL2) Polyclonal Antibody, Unconjugated (SL6633R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.