

Rabbit FOXL2 Polyclonal Antibody | anti-FOXL2 antibody

FOXL2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329552	Rabbit	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (100%), Rabbit (100%)	ELISA, Western Blot

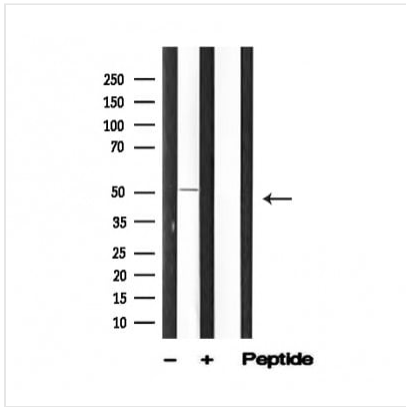
PRODUCT SYNONYMS

FOXL2; Polyclonal Antibody; FOXL2 Antibody; 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_HUMAN; PFRK; PINTO; PITUITARY FORKHEAD FACTOR; POF 3; POF3; anti-FOXL2 antibody

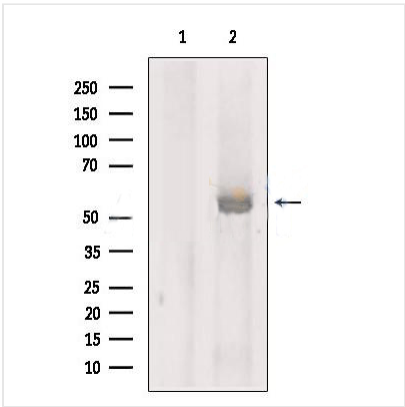
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (100%), Rabbit (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	FOXL2 Antibody detects endogenous levels of total FOXL2. 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.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-FOXL2 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FOXL2, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Sumoylated with SUMO1; sumoylation is required for transcriptional repression activity.
Subunit Structure	Interacts with ESR1 (By similarity). Interacts with SMAD3 (By similarity). Interacts with DDX20. Interacts with UBE2I/UBC9.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of FOXL2 in lysates of Jurkat , using FOXL2 Antibody(AF4749).



WB (Western Blot)
Western blot analysis of extracts from MCF7, using FOXL2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXL2 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12751477
NCBI GeneID	668
NCBI Accession #	NP_075555.1
NCBI GenBank Nucleotide #	NM_023067.3
UniProt Accession #	P58012; Q4ZGJ3
Molecular Weight	38,772 Da
NCBI Official Full Name	forkhead box protein L2
NCBI Official Synonym Full Names	forkhead box L2
NCBI Official Symbol	FOXL2
NCBI Official Synonym Symbols	BPES; PFRK; POF3; BPES1; PINTO
NCBI Protein Information	forkhead box protein L2; forkhead transcription factor FOXL2
UniProt Protein Name	Forkhead box protein L2
UniProt Gene Name	FOXL2
UniProt Entry Name	FOXL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.