

Rabbit FOXL2 Polyclonal Antibody | anti-FOXL2 antibody

Phospho-FOXL2 (Ser238) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329465	Rabbit	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (100%), Rabbit (100%)	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

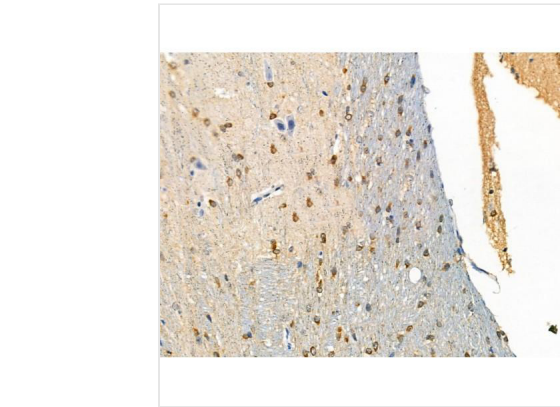
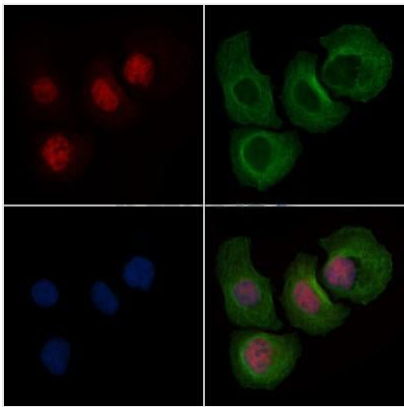
PRODUCT SYNONYMS

FOXL2; Polyclonal Antibody; Phospho-FOXL2 (Ser238) 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

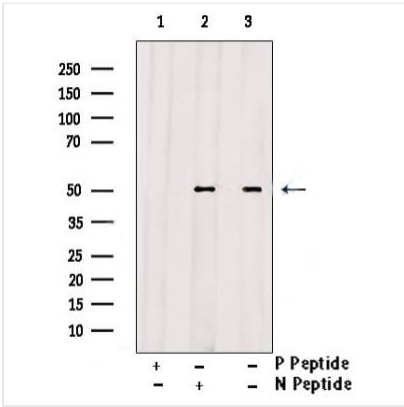
Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (100%), Rabbit (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-FOXL2 (Ser238) Antibody detects endogenous levels of FOXL2 only when phosphorylated at Ser238. Tissue Specificity: In addition to its expression 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 antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
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), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FOXL2 around the phosphorylation site of Ser238.
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



Application Data
At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).

IHC (Immunohistochemistry)
Staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Jurkat , using Phospho-FOXL2 (Ser238) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/foxl2-antibody-peptide-elisa-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/329465>