

Rabbit FOXL2 Polyclonal Antibody | anti-FOXL2 antibody

FOXL2 (RPab)

CATALOG # AAA59369	HOST Rabbit	REACTIVITY Human , Mouse , Pig , Bovine
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PRODUCT SYNONYMS

FOXL2; Polyclonal Antibody; FOXL2 (RPab); foxl2; anti-foxl2; forkhead box l2; anti-forkhead box l2; fox-l2; anti-fox-l2; fox l2; anti-fox l2; forkhead box protein l2; forkhead transcription factor FOXL2; PFRK; PINTO; POF3; anti-FOXL2 antibody

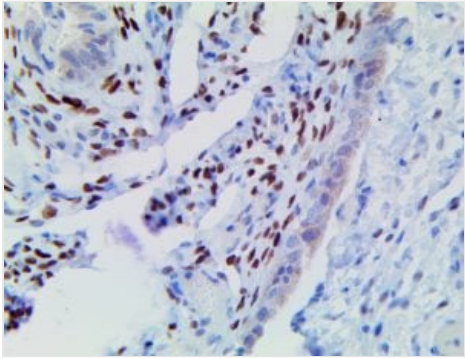
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human , Mouse , Pig , Bovine
Clonality	Polyclonal
Isotype	IgG
Form/Format	Anti-FOXL2 is a purified immunoglobulin fraction of rabbit antiserum that is a filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Reactivity	Paraffin, Frozen
Immunogen	Synthetic peptide corresponding to the C-terminus residues of the human FOXL2 protein.
Control	Fallopian Tube, Cervix, Pancreas, Placenta, Extra Marginal Zone Lymphoma
Localization	Cytoplasmic, Nuclear
Precautions	1. For professional users only. Results should be interpreted by a qualified medical professional. 2. This product contains <0.1% sodium azide (NaN₃) as a preservative. Ensure proper handling procedures are used with this reagent. 3. Always wear personal protective equipment such as a laboratory coat, goggles, and gloves when handling reagents. 4. Dispose of unused solution with copious amounts of water. 5. Do not ingest reagent. If reagent is ingested, seek medical advice immediately. 6. Avoid contact with eyes. If contact occurs, flush with large quantities of water. 7. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar). 8. For additional safety information refer to Safety Data Sheet for this product. 9. For complete recommendations for handling biological specimens, please refer to the CDC document, "Guidelines for Safe Work Practices in Human and AMDL (see References in this document).
Stability	This product is stable up to the expiration date on the product label. Do not use after expiration date listed on the package label. Temperature fluctuations should be avoided. Store appropriately when not in use, and avoid prolonged exposure to room temperature conditions.
Specimen Preparation	Paraffin sections: The antibody can be used on formalin-fixed paraffin-embedded (FFPE) tissue sections. Ensure tissue undergoes appropriate fixation for best results. Pre-treatment of tissues with heat-induced epitope retrieval (HIER) is recommended using ImmunoDNA Retriever with Citrate, ImmunoDNA Retriever with EDTA, or ImmunoDNA Digestor. See reverse side for complete protocol. Tissue should remain hydrated via use of Bio SB Immuno/DNAWasher solutions (Contact Tech Support).
Frozen sections and cell preparations	The antibody can be used on acetone-fixed frozen sections and acetone-fixed cell preparations.

IHC Protocol	1. Cut and mount 3-5 micron formalin-fixed paraffin-embedded tissues on positively charged slides such as Hydrophilic Plus Slides. 2. Air dry for 2 hours at 58° C. 3. Deparaffinize, dehydrate and rehydrate tissues. 4. Subject tissues to heat induced epitope retrieval (HIER) using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate or EDTA. 5. Any of three heating methods may be used: a. TintoRetriever Pressure Cooker or Equivalent Place tissues/slides in a staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA and place on trivet in the pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high. Incubate for 15 minutes. Open and immediately transfer slides to room temperature. b. TintoRetriever PT Module or Water Bath Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA at 95°-99° C. Incubate for 30-60 minutes. c. Conventional Steamer Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a steamer, cover and steam for 30-60 minutes. 6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes. 7. For manual IHC, perform antibody incubation at ambient temperature. For automated IHC methods, perform antibody incubation according to instrument manufacturer's instructions. 8. Wash slides with ImmunoDNA washer or DI water. 9. Continue IHC protocol. Wash slides between each step with ImmunoDNA washer solution.
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Mounting Protocols	For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMunter or organic solvent based resin such as PermaMunter, contact Technical Support.
Preparation and Storage	Store at 2-8°C (Control Slides: Store at 20-25°C)

IMAGES

Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP
Peroxidase/AP Blocker	5 min.	5 min.	5 min
Primary Antibody	30-60 min.	30-60 min.	30-60 min.
1st Step Detection	10 min.	30-45 min.	15 min.
2nd Step Detection	10 min.	Not Applicable	15 min.
Substrate- Chromogen	5-10 min.	5-10 min.	5-10 min.
Counterstain / Coverslip	Varies	Varies	Varies



IHC (Immunohiostchemistry)
FOXL2 Antibody Immunohistochemistry on an FFPE Fallopian Tube Tissue

Application Data
Abbreviated Immunohistochemical Protocol

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:50-1:200	0.1 ml
Concentrated	1:50-1:200	0.5 ml
Concentrated	1:50-1:200	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-FOXL2 antibody	The Forkhead box L2 (FOXL2) gene encodes FOXL2, a transcription factor involved in ovarian development and function. Before birth and in adulthood, the FOXL2 protein regulates the growth and proliferation of hormone-producing ovarian granulosa cells. FOXL2 is also involved in the breakdown of fats, steroid hormones, and potentially harmful reactive oxygen species in the ovaries. FOXL2 antibody is a relatively sensitive and highly specific marker for Sex Cord-Stromal Tumors (SCST). FOXL2 antibody expression is present in almost all SCSTs with a FOXL2 mutation or without a mutation. A specific somatic mutation in the FOXL2 gene has been found in Adult Granulosa Cell Tumor (402C-->G/C134W), which is present in 70-95% of Ovarian Adult Granulosa Cell Tumors but not in Ovarian Fibromas. This mutation is also present in 2 of 5 men with Adult Granulosa Cell Tumor but absent in Ovarian Juvenile Granulosa Cell Tumors. Studies have demonstrated that FOXL2 is expressed in Cervical Squamous Cancer. FOXL2 suppresses the proliferation and promotes apoptosis of Cervical Cancer cells mainly through decreasing Ki-67 expression and increasing Fas ligand expression. FOXL2 has also been found to restrain the invasiveness of Cervical Cancer cells; hence, FOXL2 might be a novel tumor suppressor in Cervical Cancer. A study has demonstrated that FOXL2 antibody is expressed in Breast Cancer and influences clinical outcome with improved recurrence-free survival in cases with nuclear expression. In a multivariate Cox model, nuclear FOXL2 was a significant prognostic factor in ER-positive patients treated with tamoxifen and tumors expressing nuclear FOXL2 were also more likely positive for stromal and/or cytoplasmic aromatase.
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/foxl2-antibody-elisa/59369>