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Product datasheet for TA302879

FOXL2 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, PEP-ELISA, WB
Recommended Dilution:	ELISA: 1:32,000. WB: 0.3-1ug/ml.IHC:5µg/ml
Reactivity:	Human, Mouse (Expected from sequence similarity: Rat, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-DSKTGALHSRLDL, from the C Terminus of the protein sequence according to NP_075555.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	forkhead box L2
Database Link:	NP_075555 Entrez Gene 26927 MouseEntrez Gene 367152 RatEntrez Gene 668 Human P58012

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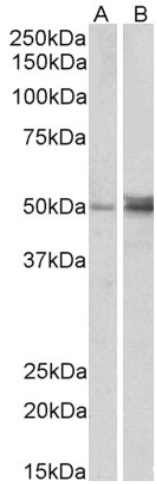
Background: Defects in FOXL2 are a cause of blepharophimosis, ptosis, and epicanthus inversus syndrome (BPES) [MIM:110100]; also known as blepharophimosis syndrome. It is an autosomal dominant disorder characterized by eyelid dysplasia, small palpebral fissures, drooping eyelids and a skin fold running 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.

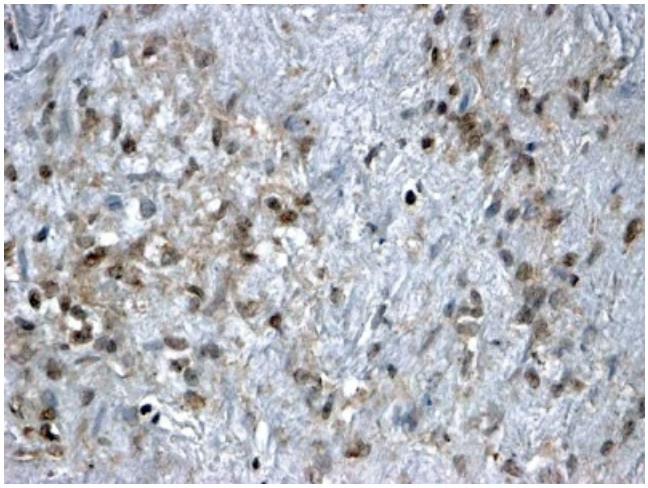
Synonyms: BPES; BPES1; PFRK; PINTO; POF3

Protein Families: Druggable Genome, Transcription Factors

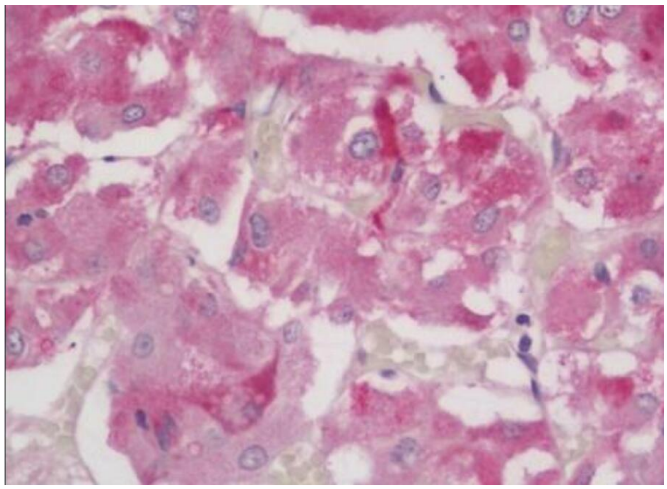
Product images:



TA302879 (1ug/ml) staining of Human (A) and Mouse (B) Ovary lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA302879 (2ug/ml) staining of paraffin embedded Human Ovary. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



TA302879 (5ug/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.