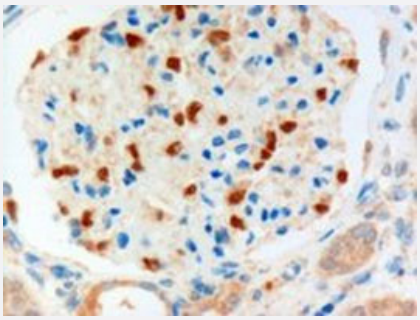
FOXC1 polyclonal antibody

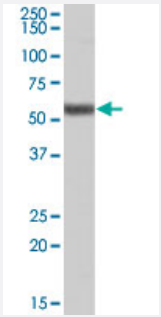
Catalog # PAB6425 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

FOXC1 polyclonal antibody (Cat # PAB6425, 3 ug/mL) staining of paraffin embedded human kidney. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



Western Blot (Tissue lysate)

FOXC1 polyclonal antibody (Cat # PAB6425) staining (0.5 ug/mL) of human bone marrow lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of FOXC1.
Immunogen	A synthetic peptide corresponding to C-terminus of human FOXC1.
Sequence	RTSGAFVYDCSKF
Host	Goat
Theoretical MW (kDa)	56.8
Reactivity	Human, Mouse, Zebra fish
Form	Liquid

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Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western blot (0.5-1.5 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  FOXC1 polyclonal antibody (Cat # PAB6425, 3 ug/mL) staining of paraffin embedded human kidney. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.

- Enzyme-linked Immunoabsorbent Assay

- ChIP

- Western Blot (Tissue lysate)

  FOXC1 polyclonal antibody (Cat # PAB6425) staining (0.5 ug/mL) of human bone marrow lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Gene Info — FOXC1

Entrez GeneID	2296
Protein Accession#	NP_001444.2
Gene Name	FOXC1
Gene Alias	ARA, FKHL7, FREAC-3, FREAC3, IGDA, IHG1, IRID1
Gene Description	forkhead box C1
Omim ID	601090 601631

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Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the forkhead family of transcription factors which is characterized by a distinct DNA-binding forkhead domain. The specific function of this gene has not yet been determined; however, it has been shown to play a role in the regulation of embryonic and ocular development. Mutations in this gene cause various glaucoma phenotypes including primary congenital glaucoma, autosomal dominant iridogoniodysgenesis anomaly, and Axenfeld-Rieger anomaly. [provided by RefSeq
Other Designations	OTTHUMP00000017802|forkhead winged/helix transcription factor|forkhead, drosophila, homolog-like 7|forkhead-related activator 3|forkhead/winged helix-like transcription factor 7|myeloid factor-delta|transcription factor forkhead-like 7

Publication Reference

- Identification of FOXC1 as a TGF-beta1 responsive gene and its involvement in negative regulation of cell growth.

  Zhou Y, Kato H, Asanoma K, Kondo H, Arima T, Kato K, Matsuda T, Wake N.

  Genomics 2002 Nov; 80(5):465.

Disease

- Adenocarcinoma
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glaucoma
- Lung Neoplasms
- Lymphedema
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome

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