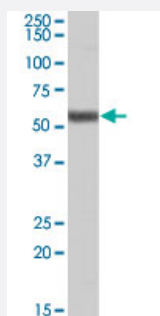


FOXC1 polyclonal antibody

Catalog # PAB6425

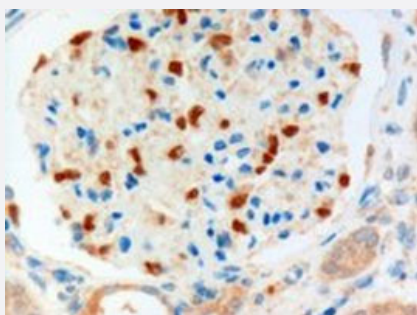
Size 100 ug

Applications



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.



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.

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

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 should be handled by trained staff only.

Applications

- 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.
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
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- Enzyme-linked Immunoabsorbent Assay

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

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

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