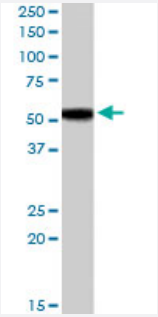
FOXC2 polyclonal antibody

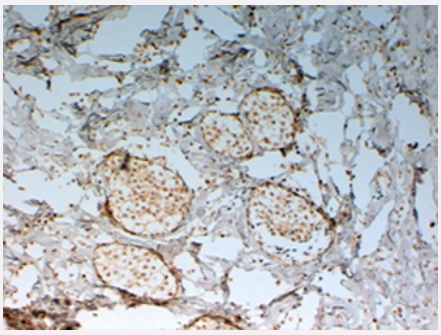
Catalog # PAB6426 Size 100 ug

Applications



Western Blot (Tissue lysate)

FOXC2 polyclonal antibody (Cat # PAB6426) staining (1 ug/mL) of human breast cancer lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



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

FOXC2 polyclonal antibody (Cat # PAB6426, 2 ug/mL) staining of paraffin embedded human breast cancer. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of FOXC2.
Immunogen	A synthetic peptide corresponding to C-terminus of human FOXC2.
Sequence	RHAAPYSYDCTKY
Host	Goat
Theoretical MW (kDa)	53.7
Reactivity	Human
Form	Liquid

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Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:8000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) Western Blot (1-3 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

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — FOXC2

Entrez GeneID	2303
Protein Accession#	NP_005242.1
Gene Name	FOXC2
Gene Alias	FKHL14, LD, MFH-1, MFH1
Gene Description	forkhead box C2 (MFH-1, mesenchyme forkhead 1)
Omim ID	153000 153200 153300 153400 602402
Gene Ontology	Hyperlink

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Gene Summary	This gene belongs to the forkhead family of transcription factors which is characterized by a distin ct DNA-binding forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in the development of mesenchymal tissues. [provided by RefSeq
Other Designations	MFH-1,mesenchyme forkhead 1|forkhead box C2|forkhead, Drosophila, homolog-like 14|forkhea d-like 14

Publication Reference

- Foxc2 is expressed in developing lymphatic vessels and other tissues associated with lymphedema-distichiasis syndrome.

  Dagenais SL, Hartsough RL, Erickson RP, Witte MH, Butler MG, Glover TW.

  Gene Expression Patterns 2004 Oct; 4(6):611.

  Application: IF, IHC-P, Mouse, Mouse embryos

Disease

- Breast cancer
- Cardiovascular Diseases
- Chylothorax
- Cleft Lip
- Cleft Palate
- Diabetes
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Hyperlipidemias
- Insulin Resistance
- Lymphangiectasis
- Lymphedema
- Metabolic Syndrome X
- Obesity

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- Osteoporosis
- Polycystic Ovary Syndrome
- Renal Insufficiency
- Werner syndrome

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