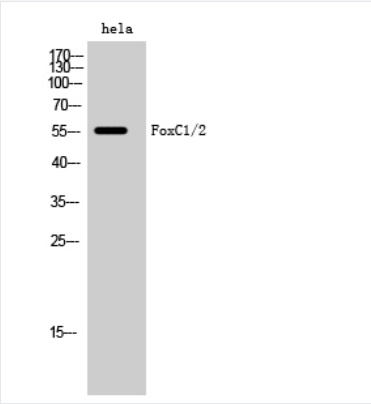
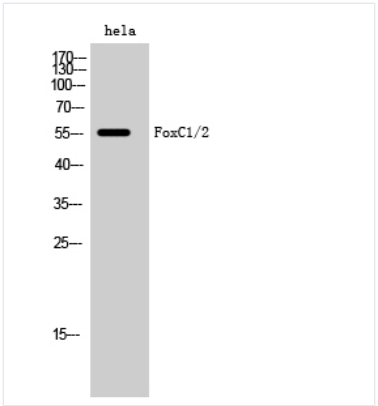
FoxC1/2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FoxC1/2, Polyclonal Antibody
Full Product Name	FoxC1/2 Polyclonal Antibody
Product Gene Name	anti-FoxC1/2 antibody
Product Synonym Names	FOXC1; FKHL7; FREAC3; Forkhead box protein C1; Forkhead-related protein FKHL7; Forkhead-related transcription factor 3; FREAC-3; FOXC2; FKHL14; MFH1; Forkhead box protein C2; Forkhead-related protein FKHL14; Mesenchyme fork head protein 1;
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	56,789 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (1610681..1614132). Location: 6p25
OMIM	601090
3D Structure	ModBase 3D Structure for Q12948
Applications Tested/Suitable for anti-FoxC1/2 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P), Immunofluorescence (IF)
Related Product Information for anti-FoxC1/2 antibody	MBS9243681 is an antibody targeting FoxC1/2. Also known as FoxC1/2 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-FoxC1/2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Wester Blot (WB) of anti-FoxC1/2 antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.



Western Blot (WB) of anti-FoxC1/2 antibody
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ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FoxC1/2. It may not necessarily be applicable to this product.

NCBI GI #	119395716
NCBI GeneID	2296
NCBI Accession #	NP_001444.2
UniProt Primary Accession #	Q12948
UniProt Secondary Accession #	Q99958
UniProt Related Accession #	Q12948
GenBank Nucleotide #	NM_001453.2
NCBI Official Full Name	forkhead box protein C1
NCBI Official Synonym Full Names	forkhead box C1
NCBI Official Symbol	FOXC1
NCBI Official Synonym Symbols	ARA; IGDA; IHG1; FKHL7; IRID1; RIEG3; FREAC3; FREAC-3
UniProt Protein Name	Forkhead box protein C1
UniProt Synonym Protein Names	Forkhead-related protein FKHL7; Forkhead-related transcription factor 3
UniProt Gene Name	FOXC1
UniProt Synonym Gene Names	FKHL7; FREAC3; FREAC-3
UniProt Entry Name	FOXC1_HUMAN
NCBI Protein Information	forkhead box protein C1; myeloid factor-delta; forkhead-related activator 3; forkhead-related protein FKHL7; forkhead, drosophila, homolog-like 7; forkhead-related transcription factor 3; forkhead/winged helix-like transcription factor 7
NCBI Summary for FoxC1/2	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, Jul 2008]
UniProt Comments for FoxC1/2	FOXC1: Binding of FREAC-3 and FREAC-4 to their cognate sites results in bending of the DNA at an angle of 80-90 degrees. Monomer. Expressed in all tissues and cell lines examined. Protein type: Transcription factor; Cell development/differentiation; DNA-binding; Cell cycle regulation Chromosomal Location of Human Ortholog: 6p25 Cellular Component: nucleoplasm; cytoplasm; nuclear heterochromatin; nucleus Molecular Function: RNA polymerase II transcription factor activity, enhancer binding; protein binding; DNA binding; sequence-specific DNA binding; transcription factor binding; DNA bending activity; transcription factor activity Biological Process: transcription from RNA polymerase II promoter; collagen fibril organization; neural crest cell development; glycosaminoglycan metabolic process; paraxial mesoderm formation; positive regulation of transcription, DNA-dependent; heart development; cardiac muscle cell proliferation; ovarian follicle development; regulation of transcription, DNA-dependent; ureteric bud development; germ cell migration; ventricular cardiac muscle morphogenesis; negative regulation of mitotic cell cycle; lacrimal gland development; regulation of blood vessel size; skeletal development; mesenchymal cell development; ossification; somitogenesis; Notch signaling pathway; cell migration; camera-type eye development; in utero embryonic development; regulation of organ growth; odontogenesis of dentine-containing teeth; cell proliferation; eye development; artery morphogenesis; embryonic heart tube development; blood vessel remodeling; positive regulation of transcription from RNA polymerase II promoter; brain development; vascular endothelial growth factor receptor signaling pathway; lymph vessel development Disease: Axenfeld-rieger Syndrome, Type 3; Iridogoniodysgenesis, Type 1

Research Articles on FoxC1/2	**1.** The data suggest existence of a complex regulatory pathway in the trabecular meshwork part of which includes interactions between FOXC1, miR-204, MEIS2, and ITGbeta1.
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