10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FOXC2 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant FOXC2.
Catalog # AT2089a

Product Information

Application	WB, E
Primary Accession	Q99958
Other Accession	NM_005251
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4B3
Calculated MW	53719

Additional Information

Gene ID	2303
Other Names	Forkhead box protein C2, Forkhead-related protein FKHL14, Mesenchyme fork head protein 1, MFH-1 protein, Transcription factor FKH-14, FOXC2, FKHL14, MFH1
Target/Specificity	FOXC2 (NP_005242.1, 421 a.a. ~ 501 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FOXC2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

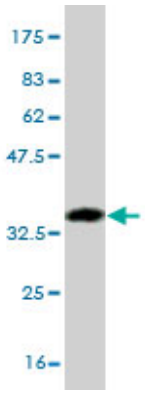
This gene belongs to the forkhead family of transcription factors which is characterized by a distinct DNA-binding forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in the development of mesenchymal tissues.

References

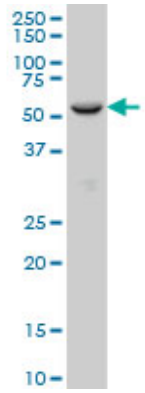
Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.A

novel missense mutation and two microrearrangements in the FOXC2 gene of three families with lymphedema-distichiasis syndrome. Fauret AL, et al. Lymphology, 2010 Mar. PMID 20552815.Gestational diabetes mellitus shares polymorphisms of genes associated with insulin resistance and type 2 diabetes in the Greek population. Pappa KI, et al. Gynecol Endocrinol, 2010 Jun 14. PMID 20540670.A case of lymphedema-distichiasis syndrome carrying a new de novo frameshift FOXC2 mutation. Fabretto A, et al. Ophthalmic Genet, 2010 Jun. PMID 20450314.Lymphedema-distichiasis syndrome without FOXC2 mutation: evidence for chromosome 16 duplication upstream of FOXC2. Witte MH, et al. Lymphology, 2009 Dec. PMID 20218083.

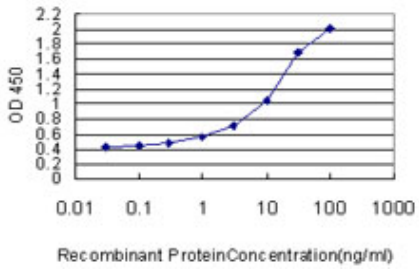
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.65 KDa) .



FOXC2 monoclonal antibody (M03), clone 4B3 Western Blot analysis of FOXC2 expression in SJCRH30 ((Cat # AT2089a)



Detection limit for recombinant GST tagged FOXC2 is approximately 0.03ng/ml as a capture antibody.