

FOXC2 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a partial recombinant FOXC2.****Catalog # AT2089a****Specification**

FOXC2 Antibody (monoclonal) (M03) - Product Information

Application	WB, E
Primary Accession	O99958
Other Accession	NM_005251
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	53719

FOXC2 Antibody (monoclonal) (M03) - 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

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.

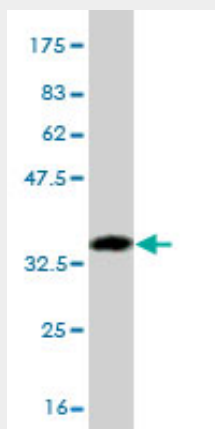
FOXC2 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

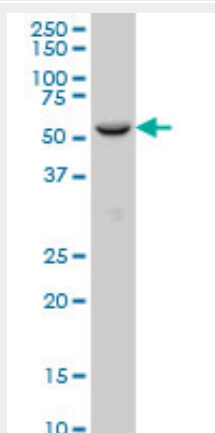
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

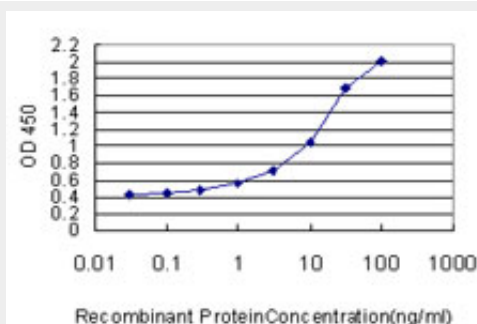
FOXC2 Antibody (monoclonal) (M03) - Images



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.

FOXC2 Antibody (monoclonal) (M03) - 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.

FOXC2 Antibody (monoclonal) (M03) - 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.