

FOXD1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant FOXD1.****Catalog # AT2090a****Specification**

FOXD1 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q16676
Other Accession	NM_004472
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	46140

FOXD1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 2297**Other Names**

Forkhead box protein D1, Forkhead-related protein FKHL8, Forkhead-related transcription factor 4, FREAC-4, FOXD1, FKHL8, FREAC4

Target/Specificity

FOXD1 (NP_004463, 1 a.a. ~ 91 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

FOXD1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

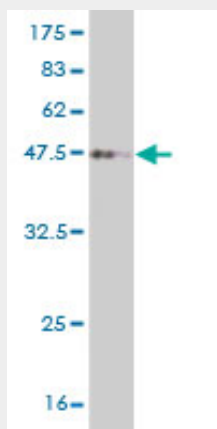
FOXD1 Antibody (monoclonal) (M01) - Protocols

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

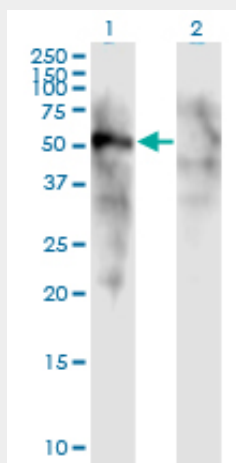
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

FOXD1 Antibody (monoclonal) (M01) - Images



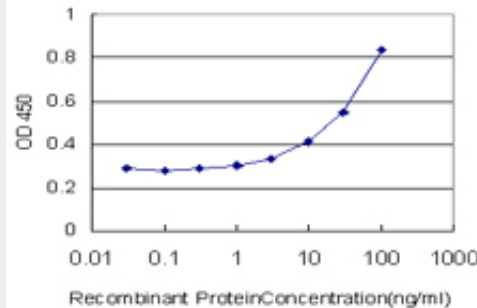
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.01 kDa) .



Western Blot analysis of FOXD1 expression in transfected 293T cell line by FOXD1 monoclonal antibody (M01), clone 2C10.

Lane 1: FOXD1 transfected lysate (Predicted MW: 51.15 kDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged FOXD1 is approximately 1ng/ml as a capture antibody.

FOXD1 Antibody (monoclonal) (M01) - Background

This intronless gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in tumor formation.

FOXD1 Antibody (monoclonal) (M01) - References

Smad6s regulates plasminogen activator inhibitor-1 through a protein kinase C-beta-dependent up-regulation of transforming growth factor-beta. Berg DT, et al. J Biol Chem, 2005 Apr 15. PMID 15716278. Chromosomal localization of six human forkhead genes, freac-1 (FKHL5), -3 (FKHL7), -4 (FKHL8), -5 (FKHL9), -6 (FKHL10), and -8 (FKHL12). Larsson C, et al. Genomics, 1995 Dec 10. PMID 8825632. Characterization of the human forkhead gene FREAC-4. Evidence for regulation by Wilms' tumor suppressor gene (WT-1) and p53. Ernstsson S, et al. J Biol Chem, 1996 Aug 30. PMID 8702877. Cloning and characterization of seven human forkhead proteins: binding site specificity and DNA bending. Pierrou S, et al. EMBO J, 1994 Oct 17. PMID 7957066.