

SIX2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant SIX2.****Catalog # AT3892a****Specification**

SIX2 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	O9NPC8
Other Accession	BC024033
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	32286

SIX2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 10736**Other Names**

Homeobox protein SIX2, Sine oculis homeobox homolog 2, SIX2

Target/Specificity

SIX2 (AAH24033, 1 a.a. ~ 291 a.a) full-length 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

SIX2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

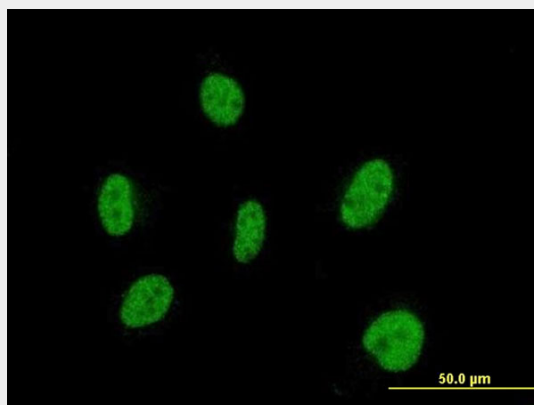
SIX2 Antibody (monoclonal) (M01) - Protocols

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

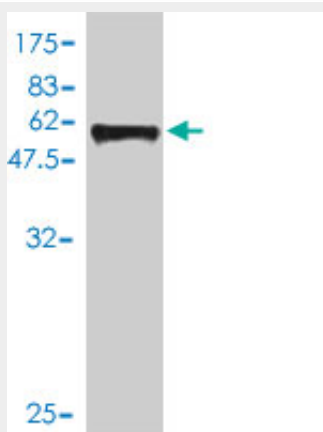
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

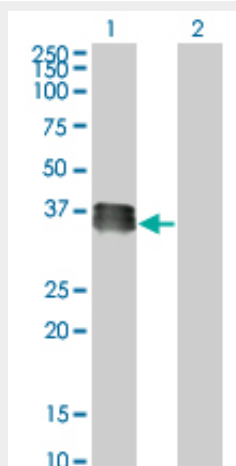
SIX2 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to SIX2 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (57.75 KDa) .

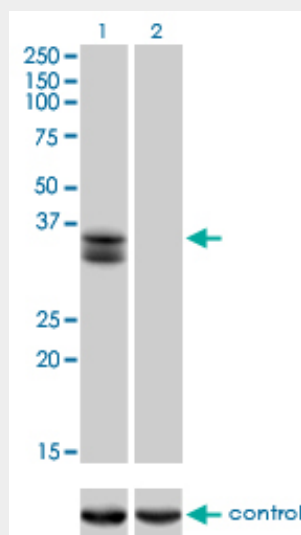


Western Blot analysis of SIX2 expression in transfected 293T cell line by SIX2 monoclonal

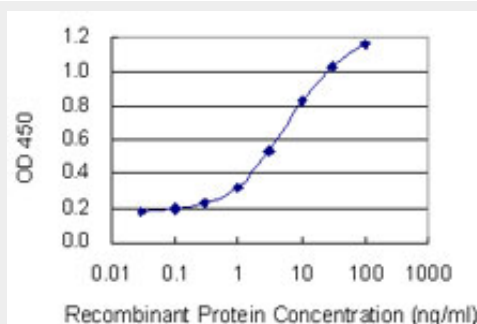
antibody (M01), clone 3D7.

Lane 1: SIX2 transfected lysate(32.3 KDa).

Lane 2: Non-transfected lysate.



Western blot analysis of SIX2 over-expressed 293 cell line, cotransfected with SIX2 Validated Chimera RNAi (Cat # AT3892a)



Detection limit for recombinant GST tagged SIX2 is 0.03 ng/ml as a capture antibody.

SIX2 Antibody (monoclonal) (M01) - Background

This gene is a member of the vertebrate gene family which encode proteins homologous to the *Drosophila* 'sine oculis' homeobox protein. The encoded protein is a transcription factor which, like other members of this gene family, may be involved in limb or eye development.

SIX2 Antibody (monoclonal) (M01) - References

1.Mdm2 is required for maintenance of the nephrogenic niche.Hilliard SA, Yao X, El-Dahr SSDev Biol. 2014 Jan 17. pii: S0012-1606(14)00024-4. doi: 10.1016/j.ydbio.2014.01.009.2.SIX2 and CITED1, markers of nephronic progenitor self-renewal, remain active in primitive elements of Wilms' tumor.Murphy AJ, Pierce J, de Caestecker C, Taylor C, Anderson JR, Perantoni AO, de Caestecker MP, Lovvorn HN 3rd.J Pediatr Surg. 2012 Jun;47(6):1239-49.3.Transcription coactivator Eya2 is a critical regulator of physiological hypertrophy.Lee SH, Kim J, Ryu JY, Lee S, Yang DK, Jeong D, Kim J, Lee SH, Kim JM, Hajjar RJ, Park WJ.J Mol Cell Cardiol. 2011 Dec 14.