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SIX3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SIX3.

Catalog # AT3893a

Specification

SIX3 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	O95343
Other Accession	NM_005413
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**35487**

SIX3 Antibody (monoclonal) (M01) - Additional Information

Gene ID 6496

Other Names
Homeobox protein SIX3, Sine oculis homeobox homolog 3, SIX3

Target/Specificity
SIX3 (NP_005404, 273 a.a. ~ 332 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
SIX3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

SIX3 Antibody (monoclonal) (M01) - Protocols

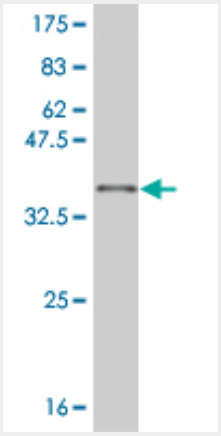
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

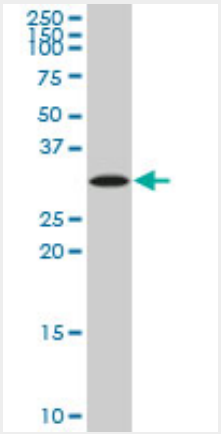
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

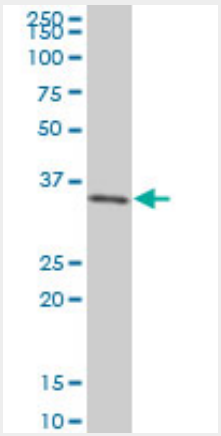
SIX3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.6 KDa) .



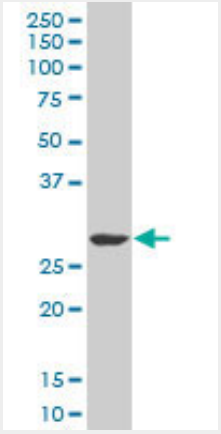
SIX3 monoclonal antibody (M01), clone 3D12. Western Blot analysis of SIX3 expression in human thyroid(diffuse hyperplasia).



SIX3 monoclonal antibody (M01), clone 3D12 Western Blot analysis of SIX3 expression in 293 (

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(Cat # AT3893a)



SIX3 monoclonal antibody (M01), clone 3D12. Western Blot analysis of SIX3 expression in MES-SA/Dx5 ((Cat # AT3893a)

SIX3 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the sine oculis homeobox transcription factor family. The encoded protein plays a role in eye development. Mutations in this gene have been associated with holoprosencephaly type 2.

SIX3 Antibody (monoclonal) (M01) - 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.Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201926.Heterozygous mutations in SIX3 and SHH are associated with schizencephaly and further expand the clinical spectrum of holoprosencephaly. Hehr U, et al. Hum Genet, 2010 Mar. PMID 20157829.Mutational screening of 10 genes in Chinese patients with microphthalmia and/or coloboma. Zhang X, et al. Mol Vis, 2009 Dec 27. PMID 20057906.Absence of SIX3 mutations in patients with congenital hypopituitarism. Gaston-Massuet C, et al. Am J Med Genet A, 2009 Dec. PMID 19921650.