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SIX3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SIX3.
Catalog # AT3893a

Product Information

Application	WB
Primary Accession	O95343
Other Accession	NM_005413
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3D12
Calculated MW	35487

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.

Background

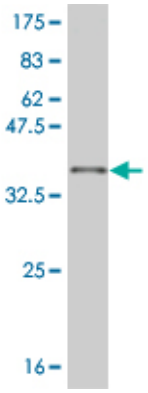
This gene encodes a member of the sine oculis homeobox transcription factor family. The encoded protein plays a role in eye development. Mutations in this gene have been associated with holoprosencephaly type 2.

References

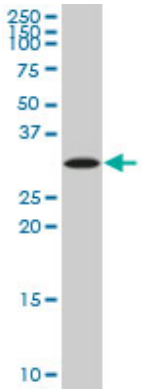
Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn 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.

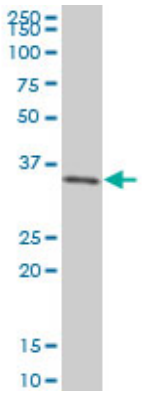
Images



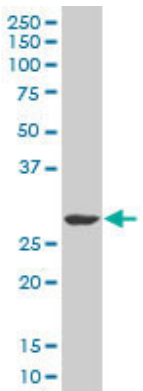
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.6 KDa) .



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 ((Cat # AT3893a)



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.