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SIX4 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant SIX4.
Catalog # AT3895a

Product Information

Application	WB, IF, E
Primary Accession	Q9UIU6
Other Accession	NM_017420
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	50
Calculated MW	82933

Additional Information

Gene ID	51804
Other Names	Homeobox protein SIX4, Sine oculis homeobox homolog 4, SIX4
Target/Specificity	SIX4 (NP_059116, 672 a.a. ~ 780 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
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	SIX4 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

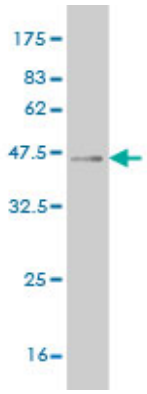
Background

This gene encodes a member of the homeobox family, subfamily SIX. The drosophila homolog is a nuclear homeoprotein required for eye development. Studies in mouse show that this gene product functions as a transcription factor, and may have a role in the differentiation or maturation of neuronal cells.

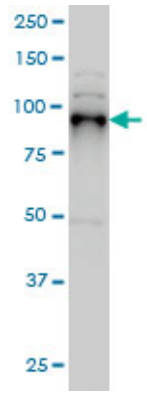
References

1.Specificity and prognostic validation of a polyclonal antibody to detect Six1 homeoprotein in ovarian cancer.Qamar L, Deitsch E, Patrick AN, Post MD, Spillman MA, Iwanaga R, Thorburn A, Ford HL, Behbakht K.Gynecol Oncol. 2012 Feb 12. [Epub ahead of print]

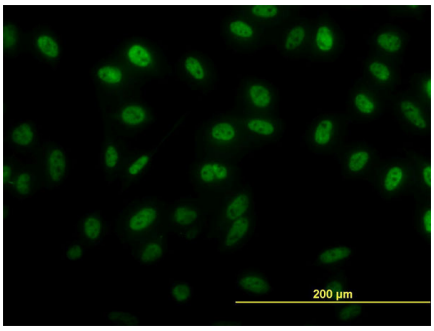
Images



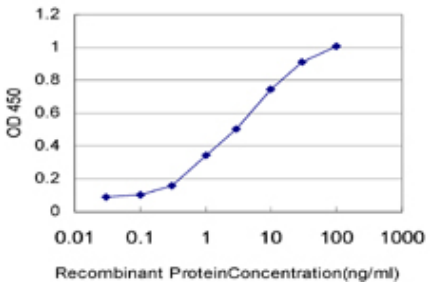
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



SIX4 monoclonal antibody (M07), clone 5E1 Western Blot analysis of SIX4 expression in Hela S3 NE ((Cat # AT3895a)



Immunofluorescence of monoclonal antibody to SIX4 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged SIX4 is approximately 0.1ng/ml as a capture antibody.