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NFX1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NFX1.

Catalog # AT3039a

Specification

NFX1 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IF, E**
Primary Accession	Q12986
Other Accession	NM_002504
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**124395**

NFX1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 4799

Other Names
Transcriptional repressor NF-X1, 632-, Nuclear transcription factor, X box-binding protein 1, NFX1, NFX2

Target/Specificity
NFX1 (NP_002495, 981 a.a. ~ 1080 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
NFX1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

NFX1 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot

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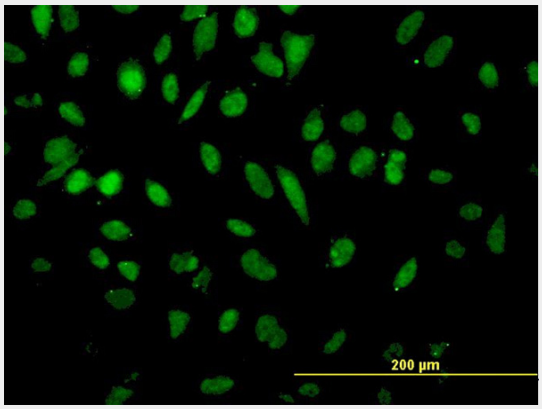
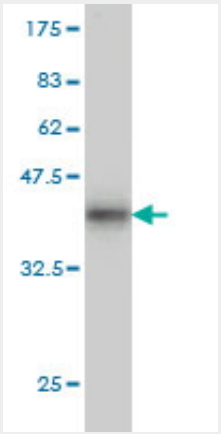
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

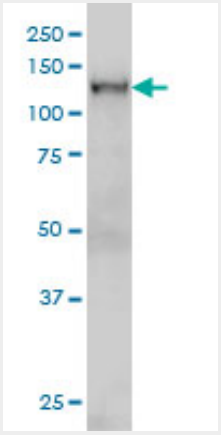
NFX1 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to NFX1 on HeLa cell. [antibody concentration 30 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



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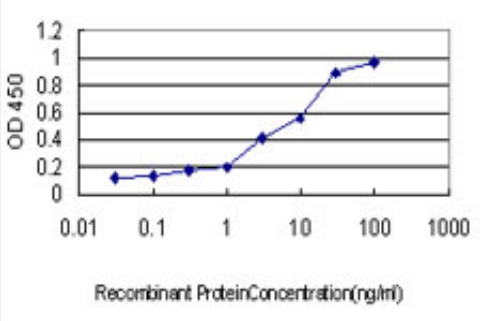
NFX1 monoclonal antibody (M01), clone 1D12 Western Blot analysis of NFX1 expression in Hela S3 NE ((Cat # AT3039a)



Detection limit for recombinant GST tagged NFX1 is approximately 0.1ng/ml as a capture antibody.

NFX1 Antibody (monoclonal) (M01) - Background

MHC class II gene expression is controlled primarily at the transcriptional level by transcription factors that bind to the X and Y boxes, two highly conserved elements in the proximal promoter of MHC class II genes. The protein encoded by this gene is a transcriptional repressor capable of binding to the conserved X box motif of HLA-DRA and other MHC class II genes in vitro. The protein may play a role in regulating the duration of an inflammatory response by limiting the period in which class II MHC molecules are induced by IFN-gamma. Three alternative splice variants, each of which encodes a different isoform, have been identified.

NFX1 Antibody (monoclonal) (M01) - References

NFX1-123 increases hTERT expression and telomerase activity posttranscriptionally in human papillomavirus type 16 E6 keratinocytes. Katzenellenbogen RA, et al. J Virol, 2009 Jul. PMID 19369336.NFX1 interacts with mSin3A/histone deacetylase to repress hTERT transcription in keratinocytes. Xu M, et al. Mol Cell Biol, 2008 Aug. PMID 18505829.Distinct class of putative non-conserved promoters in humans: comparative studies of alternative promoters of human and mouse genes. Tsuritani K, et al. Genome Res, 2007 Jul. PMID 17567985.NFX1-123 and poly(A) binding proteins synergistically augment activation of telomerase in human papillomavirus type 16 E6-expressing cells. Katzenellenbogen RA, et al. J Virol, 2007 Apr. PMID 17267499.Nrf1 is targeted to the endoplasmic reticulum membrane by an N-terminal transmembrane domain. Inhibition of nuclear translocation and transacting function. Wang W, et al. J Biol Chem, 2006 Jul 14. PMID 16687406.