NFX1 Monoclonal Antibody

Catalog No	YP-mAb-06310
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	NFX1 NFX2
Protein Name	Transcriptional repressor NF-X1 (EC 6.3.2.-) (Nuclear transcription factor, X box-binding protein 1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 80-160
Specificity	NFX1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	123kD
Cell Pathway	Nucleus.
Tissue Specificity	Eye,Placenta,Testis,
Function	domain:The RING-type zinc finger domain interacts with an ubiquitin-conjugating enzyme (E2) and facilitates ubiquitination.,function:Binds to the X-box motif of MHC class II genes and represses their expression. May play an important role in regulating the duration of an inflammatory response by limiting the period in which MHC class II molecules are induced by interferon-gamma. Isoform 3 binds to the X-box motif of TERT promoter and represses its expression. Together with MABPC1 or MABPC4, isoform 1 acts as a coactivator for TERT expression. Mediates E2-dependent ubiquitination.,induction:By interferon gamma.,PTM:Isoform 3 is polyubiquitinated in the presence of HPV16 E6 protein; which leads to proteasomal degradation. Isoform 1 is not polyubiquitinated.,similarity:Belongs to the NFX1 family.,similarity:Contains 1 R3H domain.,similarity:Contains 1 RING-type zinc finger.,similarity:Conta
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 caMABle 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. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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