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Datasheet for ABIN2792551
anti-NFX1 antibody (Middle Region)

2 Images

Overview

Quantity:	100 µL
Target:	NFX1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NFX1
Sequence:	TLTGLEREM QARPPPIPH HRHQSDKNPG SSNLQKITKE PIIDYFDVQD
Cross-Reactivity:	Cow (Bovine), Dog (Canine), Human, Mouse (Murine), Rat (Rattus)
Predicted Reactivity:	Cow: 85%, Dog: 85%, Human: 100%, Mouse: 76%, Rabbit: 85%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against NFX1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NFX1
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Target Details

Alternative Name: [NFX1 \(NFX1 Products\)](#)

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. NFX1 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. 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.

Alias Symbols: DKFZp779G2416, MGC20369, NFX2

Protein Interaction Partner: UBC, BMI1, HECW2, SRSF4, SRSF3, RPS19, RPS3A, RPL22, RPL17, RPL13, RPL7A, RPL6, RPL3, PABPC3, YBX1, NCL, HNRNPM, HSPA1A, HNRNPU, HNRNPH1, HNRNPA2B1, HIST1H2AE, EEF1A2, DMD, DDX5, FAM208B, PABPC1, RPL13A, LARP1, APC2, MATR3, HIST1H4E, USP9X, SIN3A, MAML3,

Protein Size: 1120

Molecular Weight: 124 kDa

Gene ID: 4799

NCBI Accession: [NM_002504](#), [NP_002495](#)

UniProt: [Q12986](#)

Application Details

Application Notes: WB Suggested Anti-NFX1 Antibody Titration: 0.2-1 µg/mL
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate.
Optimal working dilutions should be determined experimentally by the investigator.

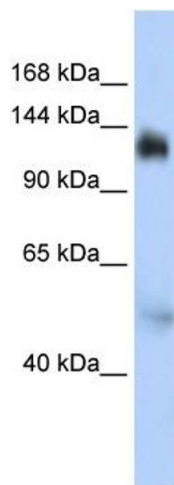
Comment: Antigen size: 1120 AA

Restrictions: For Research Use only

Handling

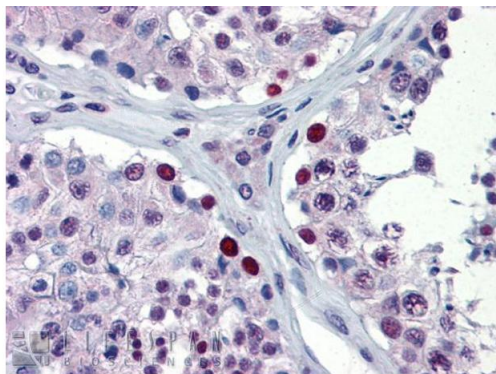
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-NFX1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate



Rabbit Anti-NFX1 Antibody
Catalog Number: P100680
Lot Number: QC0680
Paraffin Embedded Tissue: Human Testis
Antibody Concentration: 5.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc.

Immunohistochemistry

Image 2. Immunohistochemistry with Human Testis lysate tissue