Datasheet for ABIN2780752

anti-NR4A2 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	NR4A2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR4A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NR4A2
Sequence:	MPCVQAQYGS SPQGASPASQ SYSYHSSGEY SSDFLTPEFV KFSMDLTNTE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against NR4A2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NR4A2

Target Details

Alternative Name:	NR4A2 (NR4A2 Products)
Background:	NR4A2 is a member of the steroid-thyroid hormone-retinoid receptor superfamily. The protein may act as a transcription factor. Mutations in NR4A2 gene have been associated with disorders related to dopaminergic dysfunction, including Parkinson disease, schizophernia, and manic depression. Misregulation of NR4A2 gene may be associated with rheumatoid arthritis.This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcription factor. Mutations in this gene have been associated with disorders related to dopaminergic dysfunction, including Parkinson disease, schizophernia, and manic depression. Misregulation of this gene may be associated with rheumatoid arthritis. Four transcript variants encoding four distinct isoforms have been identified for this gene. Additional alternate splice variants may exist, but their full length nature has not been determined.This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcription factor. Mutations in this gene have been associated with disorders related to dopaminergic dysfunction, including Parkinson disease, schizophernia, and manic depression. Misregulation of this gene may be associated with rheumatoid arthritis. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: HZF-3, NOT, NURR1, RNR1, TINUR Protein Interaction Partner: CDKN2D, TCEAL5, BAZ1B, ELAVL1, COPS5, RXRB, RXRA, RUNX1, SMARCA4, SMARCA2, SIN3A, NCOR2, SFPQ, PIAS4, RPS6KA1, CDKN1C, RARB, RARA, CREB1, Protein Size: 598
Molecular Weight:	66 kDa
Gene ID:	4929
NCBI Accession:	NM_006186, NP_006177
UniProt:	P43354
Pathways:	Nuclear Receptor Transcription Pathway, Dopaminergic Neurogenesis, Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 598 AA

Application Details

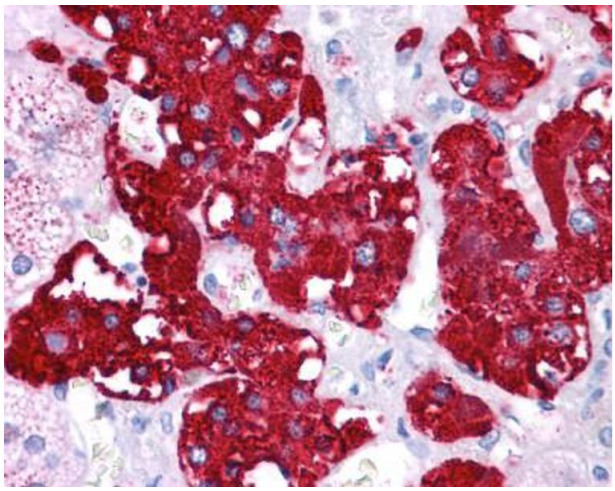
Restrictions:	For Research Use only

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.

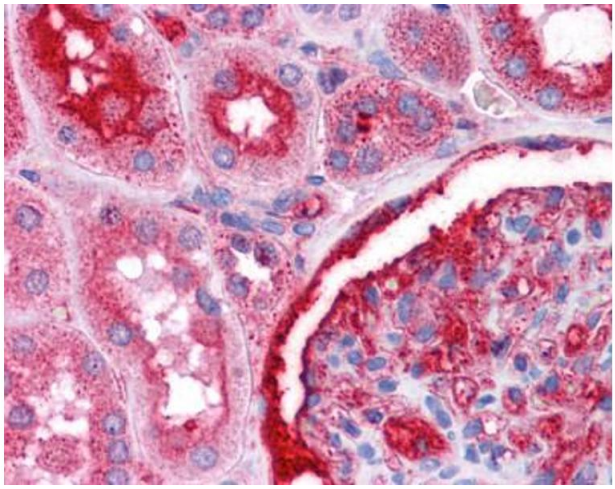
Publications

Product cited in:	Rind, Schmeiser, Thiel, Absmanner, Lübbehusen, Hocks, Apeshiotis, Wilichowski, Lehle, Körner: " A severe human metabolic disease caused by deficiency of the endoplasmatic mannosyltransferase hALG11 leads to congenital disorder of glycosylation-Ip." in: **Human molecular genetics**, Vol. 19, Issue 8, pp. 1413-24, (2010) (PubMed).



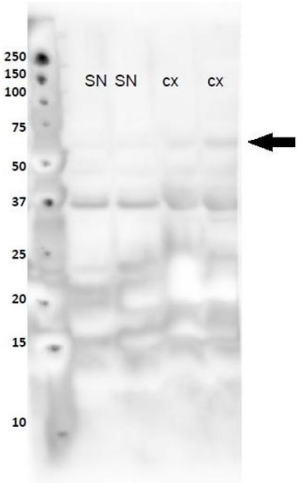
Immunohistochemistry

Image 1. Immunohistochemistry of formalin-fixed, paraffin-embedded human adrenal tissue after heat-induced antigen retrieval. NR4A2 Antibody (ARP38753_P050) concentration 5 ug/ml.



Immunohistochemistry

Image 2. Immunohistochemistry of formalin-fixed, paraffin-embedded human kidney tissue after heat-induced antigen retrieval. NR4A2 Antibody (ARP38753_P050) concentration 5 ug/ml.



Western Blotting

Image 3. Lanes : Lane 1: Nuclear fraction from mouse substantia nigra Lane 2: Nuclear fraction from mouse substantia nigra Lane 3: Nuclear fraction from mouse cortex Lane 4: Nuclear fraction from mouse cortex Primary Antibody Dilution : 1:400 Secondary Antibody : Goat anti rabbit-HRP Secondary Antibody Dilution : 1:10,000 Gene Name : NR4A2 Submitted by : Sorce Silvia, University of Zurich

Please check the product details page for more images. Overall 4 images are available for ABIN2780752.