NR4A2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NR4A2, Monoclonal Antibody
Full Product Name	NR4A2 (Nuclear Receptor Subfamily 4, Group A, Member 2, HZF-3, NOT, NURR1, RNR1, TINUR) (MaxLight 405)
Product Gene Name	anti-NR4A2 antibody
Product Synonym Names	Nuclear Receptor Subfamily 4; Group A; Member 2; HZF-3; NOT; NURR1; RNR1; TINUR
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	2A3
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified
Specificity	Recognizes NR4A2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery o product, centrifuge the original vial prior to removing the cap.
Molecular Weight	66kDa
OMIM	601828
3D Structure	ModBase 3D Structure for P43354
Immunogen	NR4A2 (NP_006177, 147aa-250aa) full length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GSLHNFHQNYVATTHMIEQRKTPVSRLSLFSFKQSPPGTPVSSCQMRFDGPLHVPMNPEPAGSHHVVDGQTFAVPNPIRKPASMGFPGLQIGHASQLLD
Conjugate	MaxLight405
Product Categories/Family for anti-NR4A2 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-NR4A2 antibody	FLISA, Western Blot (WB)
Application Notes for anti-NR4A2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-NR4A2 antibody	This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcription factor. Muta 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 has not been determined. [provided by RefSeq]

Other Notes	Small volumes of anti-NR4A2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and add dry ice fee may apply.
Searchable Terms for NR4A2 purchase	MBS6196996 is an antibody targeting NR4A2. Also known as NR4A2 (Nuclear Receptor Subfamily 4, Group A, Member 2, HZF-3, NOT, NURR1, RNR TINUR) (MaxLight 405). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NR4A2. It may not necessarily be applicable to this product.

NCBI GI #	5453822
NCBI GeneID	4929
NCBI Accession #	NP_006177
UniProt Primary Accession #	P43354
UniProt Related Accession #	P43354
GenBank Nucleotide #	NM_006186
NCBI Official Full Name	nuclear receptor subfamily 4 group A member 2 isoform a
NCBI Official Synonym Full Names	nuclear receptor subfamily 4 group A member 2
NCBI Official Symbol	NR4A2
NCBI Official Synonym Symbols	NOT; RNR1; HZF-3; NURR1; TINUR
UniProt Protein Name	Nuclear receptor subfamily 4 group A member 2
UniProt Synonym Protein Names	Immediate-early response protein NOT; Orphan nuclear receptor NURR1; Transcriptionally-inducible nuclear receptor
Protein Family	Nuclear receptor subfamily
UniProt Gene Name	NR4A2
UniProt Synonym Gene Names	NOT; NURR1; TINUR
UniProt Entry Name	NR4A2_HUMAN
NCBI Protein Information	nuclear receptor subfamily 4 group A member 2
UniProt Comments for NR4A2	Transcriptional regulator which is important for the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development. It is crucial for expression of a set of genes such as SLC6A3, SLC18A2, TH and DRD2 which are essential for development of mdDA neurons ().
Research Articles on NR4A2	**1.** PARP1 inhibitor also suppressed the aldosterone secretion in response to the angiotensin II. Together, these results suggest PARP1 is a prime coregulator for Nurr1.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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