NARG1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NARG1, Monoclonal Antibody
Full Product Name	NARG1 (NMDA Receptor Regulated 1, Ga19, NATH, TBDN100) (MaxLight 405)
Product Gene Name	anti-NARG1 antibody
Product Synonym Names	NMDA Receptor Regulated 1; Ga19; NATH; TBDN100
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4A11
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified
Specificity	Recognizes NARG1.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	101,272 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (140222676..140311935). Location: 4q31.1
OMIM	608000
3D Structure	ModBase 3D Structure for Q9BXJ9
Immunogen	NARG1 (NP_476516.1, 764aa-862aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	HRLSAAKMVYYLDPSSQKRAIELATTLDESLTNRNLQTCMEVLEALYDGSLGDCKEAAEIYRANCHKLFPYALAFMPPGYEEDMKITVNGDSSAEAEEL
Conjugate	MaxLight405
Product Categories/Family for anti-NARG1 antibody	Antibodies; Enzymes; Acetyltransferase
Applications Tested/Suitable for anti-NARG1 antibody	Western Blot (WB)
Application Notes for anti-NARG1 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-NARG1 antibody	This gene encodes a protein of unknown function. However, similarity to proteins in yeast and other species suggests that this protein may be an N-acetyltransferase. [provided by RefSeq]
Other Notes	Small volumes of anti-NARG1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, 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 additional dry ice fee may apply.
Searchable Terms for NARG1 purchase	MBS6196839 is an antibody targeting NARG1. Also known as NARG1 (NMDA Receptor Regulated 1, Ga19, NATH, TBDN100) (MaxLight 405). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NARG1. It may not necessarily be applicable to this product.

NCBI GI #	17149828
NCBI GeneID	80155
NCBI Accession #	NP_476516.1
UniProt Primary Accession #	Q9BXJ9
UniProt Secondary Accession #	Q52LG9; Q8IWH4; Q8NEV2; Q9H8P6; D3DNY6
UniProt Related Accession #	Q9BXJ9
GenBank Nucleotide #	NM_057175.3
NCBI Official Full Name	N-alpha-acetyltransferase 15, NatA auxiliary subunit
NCBI Official Synonym Full Names	N(alpha)-acetyltransferase 15, NatA auxiliary subunit
NCBI Official Symbol	NAA15
NCBI Official Synonym Symbols	Ga19; NATH; NARG1; TBDN100
UniProt Protein Name	N-alpha-acetyltransferase 15, NatA auxiliary subunit
UniProt Synonym Protein Names	Gastric cancer antigen Ga19; N-terminal acetyltransferase; NMDA receptor-regulated protein 1; Protein tubedown-1; Tbdn100
Protein Family	N-alpha-acetyltransferase
UniProt Gene Name	NAA15
UniProt Synonym Gene Names	GA19; NARG1; NATH; TBDN100
UniProt Entry Name	NAA15_HUMAN
NCBI Protein Information	N-alpha-acetyltransferase 15, NatA auxiliary subunit; tubedown-1; protein tubedown-1; NMDA receptor regulated 1; gastric cancer antigen Ga19; N-terminal acetyltransferase; NMDA receptor-regulated protein 1; transcriptional coactivator tubedown-100

UniProt Comments for NARG1	NAA15: The NAA10-NAA15 complex displays alpha (N-terminal) acetyltransferase activity that may be important for vascular, hematopoietic and neuronal growth and development. Required to control retinal neovascularization in adult ocular endothelial cells. In complex with XRCC6 and XRCC5 (Ku80), up-regulates transcription from the osteocalcin promoter. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Acetyltransferase Chromosomal Location of Human Ortholog: 4q31.1 Cellular Component: transcription factor complex; membrane; cytoplasm; nucleus Molecular Function: N-acetyltransferase activity; protein binding; acetyltransferase activity; ribosome binding Biological Process: N-terminal protein amino acid acetylation; protein stabilization; transcription, DNA-dependent; positive regulation of transcription, DNA-dependent; angiogenesis; cell differentiation; negative regulation of apoptosis
Research Articles on NARG1	**1.** Data indicate that the physical interaction between HYPK and NatA Naa10/15 seems to be of functional importance both for huntingtin aggregation and for N-terminal acetylation.
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