GNL3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	GNL3, Monoclonal Antibody
Full Product Name	GNL3
Product Gene Name	anti-GNL3 antibody
Product Synonym Names	Guanine nucleotide-binding protein-like 3; E2-induced gene 3 protein; Novel nucleolar protein 47; Nucleolar GTP-binding protein 3; Nucleostemin; NNP47; GNL3; E2IG3; NS
Clonality	Monoclonal
Isotype	IgG1
Clone Number	D5-C8
Host	Mouse
Species Reactivity	Human, Mouse
Form/Format	1*TBS (pH7.4), 1% BSA, 0.05% Sodium Azide.
Purity/Purification	Protein A Affinity Purified
Preparation and Storage	Store at 4 degree C after thawing. Aliquot store at -20 degree C or -80 degree C. Avoid repeated freeze/thaw cycles.
OMIM	608011
3D Structure	ModBase 3D Structure for Q9BVP2
Immunogen	Recombinant Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-GNL3 antibody	MBS8565063 is an antibody targeting GNL3. Reactive in Human, Mouse. Host: Mouse.
Other Notes	Small volumes of anti-GNL3 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNL3. It may not necessarily be applicable to this product.

NCBI GI #	229462872
NCBI GeneID	26354
UniProt Primary Accession #	Q9BVP2
UniProt Related Accession #	Q9BVP2
NCBI Official Full Name	Guanine nucleotide-binding protein-like 3
NCBI Official Synonym Full Names	G protein nucleolar 3
NCBI Official Symbol	GNL3
NCBI Official Synonym Symbols	NS; E2IG3; NNP47; C77032

UniProt Protein Name	Guanine nucleotide-binding protein-like 3
UniProt Synonym Protein Names	E2-induced gene 3 protein; Novel nucleolar protein 47; NNP47; Nucleolar GTP-binding protein 3; Nucleostemin
Protein Family	Guanine nucleotide-binding protein
UniProt Gene Name	GNL3
UniProt Synonym Gene Names	E2IG3; NS
UniProt Entry Name	GNL3_HUMAN
NCBI Protein Information	guanine nucleotide-binding protein-like 3
NCBI Summary for GNL3	The protein encoded by this gene may interact with p53 and may be involved in tumorigenesis. The encoded protein also appears to be important for stem cell proliferation. This protein is found in both the nucleus and nucleolus. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
UniProt Comments for GNL3	GNL3: May be required to maintain the proliferative capacity of stem cells and may play an important role in tumorigenesis. May interact with p53/TP53 via its basic domain. Increased levels in lung tissue in cancer patients. Belongs to the MMR1/HSR1 GTP-binding protein family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Hydrolase; Cell cycle regulation; Nucleolus; RNA-binding Chromosomal Location of Human Ortholog: 3p21.1 Cellular Component: nucleoplasm; extracellular space; membrane; nucleolus; nucleus Molecular Function: GTPase activity; protein binding; GTP binding Biological Process: cell proliferation; metabolic process; ribosome biogenesis and assembly; regulation of cell proliferation
Research Articles on GNL3	**1.** our results also showed that high GNL3 gene expression to be associated with poor patient outcome and higher chances of tumor recurrence.Our results highlight nucleotemin expression as a marker of aggressive phenotype and poor outcome and indicate its possible use as a potential target for cancer stem cell-associated breast cancer management.
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