10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LGTN Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12096a

Specification

LGTN Antibody (N-term) Blocking peptide - Product Information

Primary Accession P41214

LGTN Antibody (N-term) Blocking peptide - Additional Information

Gene ID 1939

Other Names
Eukaryotic translation initiation factor 2D, eIF2d, Hepatocellular carcinoma-associated antigen 56, Ligatin, EIF2D, HCA56, LGTN

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LGTN Antibody (N-term) Blocking peptide - Protein Information

Name EIF2D

Synonyms HCA56, LGTN

Function
Translation initiation factor that is able to deliver tRNA to the P-site of the eukaryotic ribosome in a GTP-independent manner. The binding of Met-tRNA(I) occurs after the AUG codon finds its position in the P-site of 40S ribosomes, the situation that takes place during initiation complex formation on some specific RNAs. Its activity in tRNA binding with 40S subunits does not require the presence of the aminoacyl moiety. Possesses the unique ability to deliver non-Met (elongator) tRNAs into the P-site of the 40S subunit. In addition to its role in initiation, can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits.

Cellular Location
Cytoplasm.

LGTN Antibody (N-term) Blocking peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

LGTN Antibody (N-term) Blocking peptide - Images

LGTN Antibody (N-term) Blocking peptide - Background

This gene encodes a protein receptor that localizesphosphoglycoproteins within endosomes and at the cell periphery.This trafficking receptor for phosphoglycoproteins may play a rolein neuroplasticity by modulating cell-cell interactions,intracellular adhesion, and protein binding at membrane surfaces.In hippocampal neurons, long-lasting down-regulation of ligatinmRNA levels occurs via post-transcriptional RNA processingfollowing glutamate receptor activation. This protein containssingle PUA and SUI1 domains and these domains may function in RNAbinding and translation initiation, respectively. [provided byRefSeq].

LGTN Antibody (N-term) Blocking peptide - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Wang, Y., et al. J. Immunol. 169(2):1102-1109(2002)Jakoi, E.R., et al. J. Cell. Sci. 93 (PT 2), 227-232 (1989) :