

GPN1 Antibody (C-term) Blocking Peptide

Synthetic peptide

Catalog # BP16654b

Specification

GPN1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession

[Q9HCN4](#)**GPN1 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 11321

Other Names

GPN-loop GTPase 1, 365-, MBD2-interacting protein, MBDin, RNAPII-associated protein 4, XPA-binding protein 1, GPN1 {ECO:0000303|PubMed:20855544, ECO:0000312|HGNC:HGNC:17030}

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.

GPN1 Antibody (C-term) Blocking Peptide - Protein Information**Name** GPN1 {ECO:0000303|PubMed:20855544, ECO:0000312|HGNC:HGNC:17030}**Function**

Small GTPase required for proper nuclear import of RNA polymerase II (RNAPII) (PubMed:20855544, PubMed:21768307). May act at an RNAP assembly step prior to nuclear import (PubMed:21768307). Forms an interface between the RNA polymerase II enzyme and chaperone/scaffolding proteins, suggesting that it is required to connect RNA polymerase II to regulators of protein complex formation (PubMed:17643375). May be involved in nuclear localization of XPA (PubMed:11058119).

Cellular Location

Cytoplasm. Nucleus Note=Shuttles between the nucleus and the cytoplasm

Tissue Location

Expressed ubiquitously.

GPN1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GPN1 Antibody (C-term) Blocking Peptide - Images

GPN1 Antibody (C-term) Blocking Peptide - Background

This gene encodes a guanosine triphosphatase enzyme. The encoded protein may play a role in DNA repair and may function inactivation of transcription. Alternatively spliced transcript variants have been described.

GPN1 Antibody (C-term) Blocking Peptide - References

Lembo, F., et al. Mol. Cell. Biol. 23(5):1656-1665(2003) Nitta, M., et al. Nucleic Acids Res. 28(21):4212-4218(2000)