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GPN1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16654b

Specification

GPN1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9HCN4
Other Accession	NP_001138520.1, NP_001138519.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**41740**
Antigen Region	**325-352**

GPN1 Antibody (C-term) - 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}

Target/Specificity
This GPN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 325-352 amino acids from the C-terminal region of human GPN1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GPN1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GPN1 Antibody (C-term) - 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

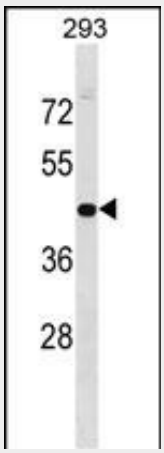
Tissue Location
Expressed ubiquitously.

GPN1 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GPN1 Antibody (C-term) - Images



GPN1 Antibody (C-term) (Cat. #AP16654b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the GPN1 antibody detected the GPN1 protein (arrow).

GPN1 Antibody (C-term) - Background

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

GPN1 Antibody (C-term) - References

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