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GEMIN8 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17974b

Specification

GEMIN8 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NWZ8
Other Accession	Q8BHE1, Q1LZ79, NP_001035944.1
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**28637**
Antigen Region	**213-239**

GEMIN8 Antibody (C-term) - Additional Information

Gene ID 54960

Other Names
Gem-associated protein 8, Gemin-8, Protein FAM51A1, GEMIN8, FAM51A1

Target/Specificity
This GEMIN8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-239 amino acids from the C-terminal region of human GEMIN8.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

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
GEMIN8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GEMIN8 Antibody (C-term) - Protein Information

Name GEMIN8

Synonyms FAM51A1

Function The SMN complex catalyzes the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome, and thereby plays an important role in the splicing of cellular pre- mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP (Sm core). In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. To assemble core snRNPs, the SMN complex accepts the trapped 5Sm proteins from CLNS1A forming an intermediate. Binding of snRNA inside 5Sm triggers eviction of the SMN complex, thereby allowing binding of SNRPD3 and SNRPB to complete assembly of the core snRNP.

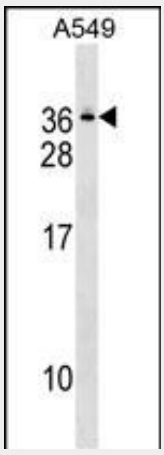
Cellular Location
Nucleus, gem. Cytoplasm. Note=Found in nuclear bodies called gems (Gemini of Cajal bodies) that are often in proximity to Cajal (coiled) bodies. Also found in the cytoplasm

GEMIN8 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

GEMIN8 Antibody (C-term) - Images



GEMIN8 Antibody (C-term) (Cat. #AP17974b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GEMIN8 antibody detected the GEMIN8 protein (arrow).

GEMIN8 Antibody (C-term) - Background

The protein encoded by this gene is part of the SMN complex, which is necessary for spliceosomal snRNP assembly in the cytoplasm and pre-mRNA splicing in the nucleus. The encoded protein

binds to both SMN1 and the GEMIN6/GEMIN7 heterodimer, mediating their interaction. This protein is found in nuclear Gemini of Cajal bodies (gems) and in the cytoplasm. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].

GEMIN8 Antibody (C-term) - References

Carissimi, C., et al. J. Biol. Chem. 281(48):37009-37016(2006)
Carissimi, C., et al. J. Biol. Chem. 281(12):8126-8134(2006)