

Anti-CLNS1A Antibody
Rabbit polyclonal antibody to CLNS1A
Catalog # AP59518**Specification**

Anti-CLNS1A Antibody - Product Information

Application	WB, IP
Primary Accession	P54105
Reactivity	Human, Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26215

Anti-CLNS1A Antibody - Additional Information**Gene ID** 1207**Other Names**

CLCI; ICLN; Methylosome subunit pICln; Chloride channel, nucleotide sensitive 1A; Chloride conductance regulatory protein ICln; I(Cln); Chloride ion current inducer protein; CLCI; Reticulocyte pICln

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CLNS1A. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)
IP~~N/A

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-CLNS1A Antibody - Protein Information**Name** CLNS1A**Synonyms** CLCI, ICLN**Function**

Involved in both the assembly of spliceosomal snRNPs and the methylation of Sm proteins
(PubMed: 10330151,
PubMed: 11713266,
PubMed: 18984161,

PubMed:21081503). Chaperone that regulates the assembly of spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome, and thereby plays an important role in the splicing of cellular pre- mRNAs (PubMed:10330151, PubMed:18984161). 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) (PubMed:10330151). 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 (PubMed:10330151, PubMed:18984161). Dissociation by the SMN complex of CLNS1A from the trapped Sm proteins and their transfer to an SMN-Sm complex triggers the assembly of core snRNPs and their transport to the nucleus (PubMed:10330151, PubMed:18984161).

Cellular Location

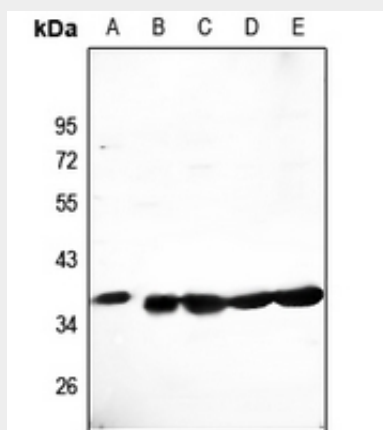
Cytoplasm, cytosol. Nucleus. Cytoplasm, cytoskeleton. Note=A small fraction is also associated with the cytoskeleton (PubMed:18984161)

Anti-CLNS1A Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CLNS1A Antibody - Images



Western blot analysis of CLNS1A expression in H9C2 (A), AML12 (B), Jurkat (C), HepG2 (D), A549 (E) whole cell lysates.

Anti-CLNS1A Antibody - Background

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