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Datasheet for ABIN6266294  
**anti-SIP1 antibody (N-Term)**

3 Images

Overview

Quantity:	100 µL
Target:	SIP1 (GEMIN2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human GEMIN2, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	GEMIN2 Antibody detects endogenous levels of total GEMIN2.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	SIP1 (GEMIN2)
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## Target Details

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Alternative Name: [GEMIN2 \(GEMIN2 Products\)](#)

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Background: Description: The SMN complex plays a catalyst role in the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. 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. 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. 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.

Gene: GEMIN2

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Molecular Weight: 32kDa

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Gene ID: 8487

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UniProt: [O14893](#)

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Pathways: [Ribonucleoprotein Complex Subunit Organization, Tube Formation](#)

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## Application Details

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Application Notes: WB 1:500-1:1000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

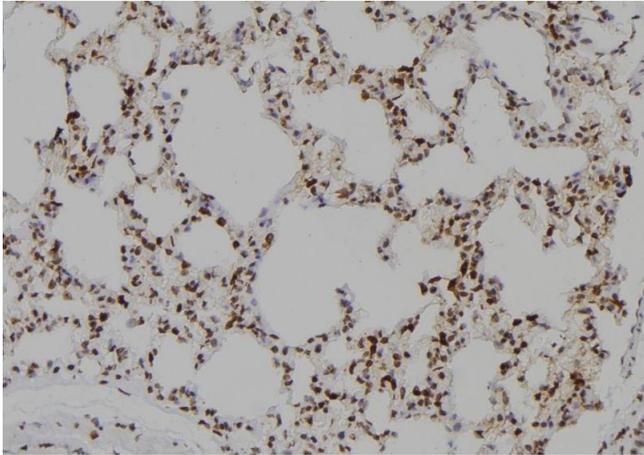
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Storage: -20 °C

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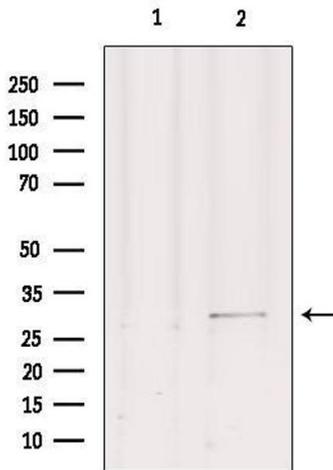
Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

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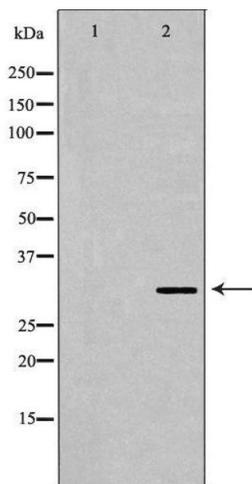
**Immunohistochemistry**

**Image 1.** ABIN6277432 at 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22;ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary



**Western Blotting**

**Image 2.** Western blot analysis of extracts from mouse brain, using GEMIN2 Antibody. Lane 1 was treated with the blocking peptide.



**Western Blotting**

**Image 3.** Western blot analysis of HeLa whole cell lysates, using GEMIN2 Antibody. The lane on the left is treated with the antigen-specific peptide.