antibodies -online.com









Go to Product page

Overview

Quantity:	100 μL
Target:	SIP1 (GEMIN2)
Binding Specificity:	AA 51-150
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SIP1/Gemin 2
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

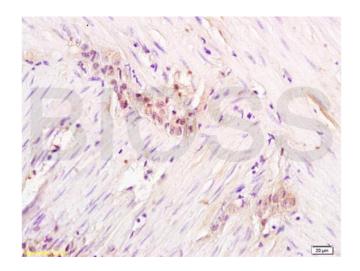
Target Details

Alternative Name:	Gemin 2 (GEMIN2 Products)
Background:	Synonyms: SIP1, SIP1-delta, Gem-associated protein 2, Gemin-2, Component of gems 2,
	Survival of motor neuron protein-interacting protein 1, SMN-interacting protein 1, GEMIN2
	Background: 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 pICIn-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 ID:	8487
UniProt:	014893
Pathways:	Ribonucleoprotein Complex Subunit Organization, Tube Formation
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

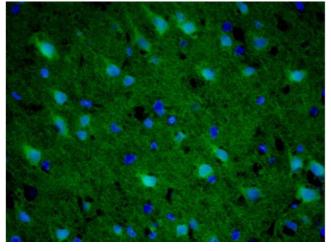
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded rat colon labeled with Anti-Gemin 2 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunofluorescence

Image 2. Formalin-fixed and paraffin-embedded rat brain labeled with Anti-Gemin 2 Polyclonal Antibody, Unconjugatedused at 1:200 dilution for 40 minutes at 37°C.