

Immunotag™ GEMIN2 Antibody

Antibody Specification	
Catalog No.	ITA7250
Product Description	Immunotag™ GEMIN2 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	GEMIN2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:1000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthetic peptide of humanGEMIN2
Specificity	GEMIN2 Antibody detects endogenous levels of total GEMIN2
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	GEMIN2
Accession No.	O14893
Alternate Names	Component of gems 2; Gem (nuclear organelle) associated protein 2; Gem associated protein 2; GEMI2_HUMAN; Gemin-2; gemin2; SIP 1; SIP-1; SIP1; SIP1 delta; SIP1-delta; SMN interacting protein 1; SMN interacting protein 1 delta; SMN-interacting protein 1; Survival interacting protein 1; Survival of motor neuron protein interacting protein 1; Survival of motor neuron protein-interacting protein 1;

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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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	32kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.