

AbboMax, Inc

Innovation at Work

Rabbit anti SMN Antibody

Alternate Names: Survival of motor neuron; Gemin1; SMA

ANTIGEN PREPARATION

A synthetic peptide corresponding to C-terminus of human SMN.

BACKGROUND

The survival motor neuron (SMN) protein is the protein product of the spinal muscular atrophy (SMA) disease. SMN gene is the SMA determining gene. In humans, there are two nearly identical copies of the survival of motor neuron genes (SMN1 and SMN2), whereas other eukaryotic species have only one copy of the SMN gene. SMN is expressed ubiquitously and is a core component of a self-assembling multiprotein complex. The SMN complex, consisting of SMN and Gemin proteins (Gemin2, -3, -4, -5, -6, -7 and -8), in which SMN-Gemin2 complex plays an essential role in the assembly and regeneration of small nuclear ribonucleoproteins (snRNPs) and spliceosomes.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

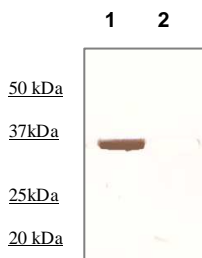
SPECIFICITY

This antibody recognizes ~35 kDa of human SMN protein. The other species are not tested

APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	Not tested
Flow cytometry	Not tested

DATA ATTACHMENTS



Western Blot: The cell lysate derived from HELA was immunoprobed by Rabbit anti-SMN (Cat#601-720) at 1:500. An immunoreactive band is observed around ~35 kDa (1). This band is abolished by pre-incubation with immunizing peptide (2).

Order Information

Description: Rabbit anti SMN
Catalogue#: 601-720
Lot#: See the label
Size: 100 µg/200 µl
Host: Rabbit
Clone: N/A
Application: ELISA, WB, IHC
Reactivity: Hu

FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

MOLECULAR WEIGHT:	35 kDa
POSITIVE CONTROL:	Hela cell lysate
CELLULAR LOCATION:	N/A

Optimal dilutions should be determined by researchers for the specific applications.

REFERENCES:

Ogawa C, et al. Gemin2 Plays an Important Role in Stabilizing the Survival of Motor Neuron Complex. J. Biol. Chem., Vol 282 (15)11122-11134 (2007).

FOR RESEARCH USE ONLY.

AbboMax, Inc 1161 Ringwood Ct. Suite 100, San Jose, California 95131, USA
1 408-321-9898 (Tel). 1 408-321-9896 (Fax). 1-866-628-9898 www.abbomax.com info@abbomax.com