

Anti-SMN1 Antibody (9G111)

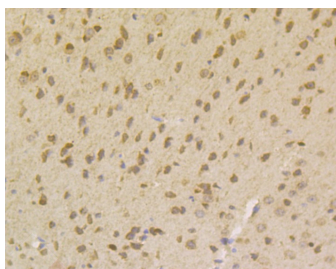
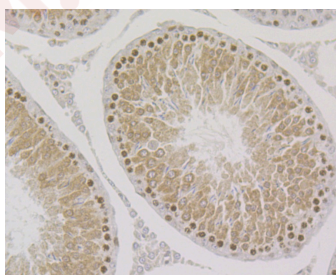
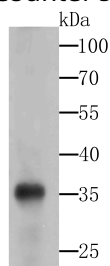
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 32 kDa.
Clone:	9G111
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of Gemin 1 on SiHa cell lysates using anti-Gemin 1 at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Gemin 1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Gemin 1 antibody. Counter stained with hematoxylin.



Application: IHC,IP,WB

Recommended WB: 1:500-1000; IHC: 1:50-200; IP: 1:10-50

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human Gemin 1 aa 1-200

Antigen Species: human

Uniprot ID: Q16637

Synonyms: SMN2;SMNC;Survival motor neuron protein;Gemin-1;SMN;Component of gems 1;SMN 1;SMNT

Research 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. Ensures the correct splicing of U12 intron-containing genes that may be important for normal motor and proprioceptive neurons development. Also required for resolving RNA-DNA hybrids created by RNA polymerase II, that form R-loop in transcription terminal regions, an important step in proper transcription termination. May also play a role in the metabolism of small nucleolar ribonucleoprotein (snoRNPs).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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