

SMN1 antibody

Product Information

Catalog No.:	FNab08033
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	3D2
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

The survival of motor neurons(SMN) genes are the disease genes of spinal muscular atrophy(SMA), a common motor neuron degenerative disease. The level of SMN protein correlates with phenotypic severity of SMA. SMA patients lack a functional SMN1 gene, but they possess an intact SMN2 gene, which though nearly identical to SMN1, is only partially functional, because a large majority of SMN2 transcripts lack exon 7, resulting in production of a truncated, less stable SMN protein. This antibody can recognize human,mouse and rat SMN.

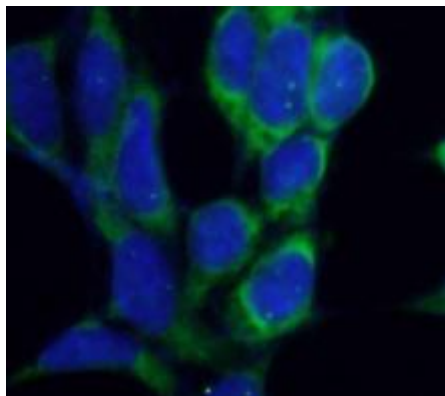
Immunogen information

Immunogen:	survival of motor neuron 2, centromeric
Synonyms:	Survival motor neuron protein Component of gems 1 Gemin-1 SMN1 SMN SMNT
Observed MW:	38 kDa
Uniprot ID :	Q16637

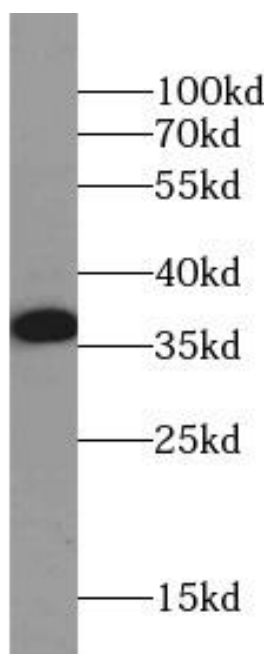
Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IF
Recommended dilution:	WB: 1:1000-1:6000; IF: 1:50-1:500

Image:



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using FNab08033 (SMN antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L)



A375 cells were subjected to SDS PAGE followed by western blot with FNab08033(SMN antibody) at dilution of 1:3000