

Gemin 1 (17K17) Rabbit Monoclonal Antibody

Catalog# HZ-YMA01116

Product information

产品货号	HZ-YMA01116
别名	SMN1;SMN;SMNT;SMN2;SMNC;Survival motor neuron protein;Component of gems 1;Gemin-1
产品名称	Gemin 1 (17K17) Rabbit Monoclonal Antibody
类别	抗体产品
基因名称	SMN1
推荐应用	WB,IHC-P,IF-P,IF-F,IF-ICC,IP,ELISA
反应种属	Human,Mouse,Rat
存储缓冲液	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Human Gene ID	6606
Human Swissprot No.	Q16637
稀释度	IHC-P 1:200-1:500, WB 1:1000-1:20000, IF 1:200-1:1000, ELISA 1:5000-1:20000, IP 1:50-1:200
参考分子量	38kDa
预测分子量	32kDa
运输及保存条件	Biological ice bag transportation. Store at -20°C for at least 12 months(Do not lower than -25°C). Avoid freeze/thaw cycles
宿主	Rabbit
同种型	IgG,Kappa
背景介绍	This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. The telomeric and centromeric copies of this gene are nearly identical and encode the same protein. However, mutations in this gene, the telomeric copy, are associated with spinal muscular atrophy; mutations in the centromeric copy do not lead to disease. The centromeric copy may be a modifier of disease caused by mutation in the telomeric copy. The critical sequence difference between the two genes is a single nucleotide in exon 7, which is thought to be an exon splice enhancer. Note that the nine exons of both the telomeric and centromeric copies are des
细胞定位	Nucleus, gem . Nucleus, Cajal body . Cytoplasm . Cytoplasmic granule . Perikaryon . Cell projection, neuron projection . Cell projection, axon . Cytoplasm, myofibril, sarcomere, Z line . Colocalizes with actin and at the Z-line of skeletal muscle (By similarity). Under stress conditions colocalizes with RPP20/POP7 in punctuated cytoplasmic granules (PubMed:14715275). Colocalized and redistributed with ZPR1 from the cytoplasm to nuclear gems (Gemini of coiled bodies) and Cajal bodies (PubMed:11283611). Colocalizes with FMR1 in cytoplasmic granules in the soma and neurite cell processes (PubMed:18093976). .
Clonality	Monoclonal