BT LAB
Bioassay Technology Laboratory
Optimize Your Research

SMN1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3468
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human SMN1 expressed in E. Coli.
Mol wt	39kDa
Species reactivity	Human,Monkey
Clonality	Monoclonal
Recommended application	WB,IHC,ICC
Concentration	N/A
Full name	N/A
Synonyms	SMA;SMN;SMA1;SMA2;SMA3;SMA4;SMA@;SMN2;SMNT;BCD541;T-BCD541

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

WB: 1:500 - 1:2000

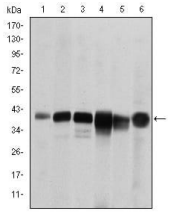
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

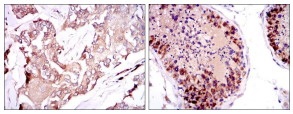
ELISA: 1:10000

Not yet tested in other applications.

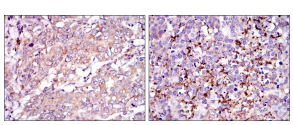
Images



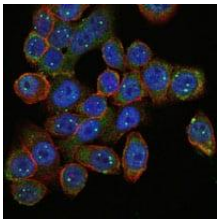
Western blot analysis using SMN1 mouse mAb against RAJI (1), Cos7 (2), Jurkat (3), K562 (4), Hela (5) and HepG2 (6) cell lysate.



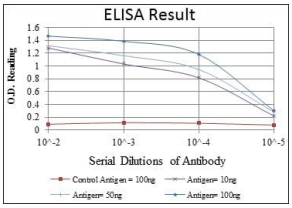
Immunohistochemical analysis of paraffin-embedded breast cancer tissues (left) and testis tissues (right) using SMN1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded stomach cancer tissues (left) and brain tumor (right) using SMN1 mouse mAb with DAB staining.



Immunofluorescence analysis of HepG2 cells using SMN1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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