

## Anti-ASM/SMPD1 Antibody (Monoclonal, 31S67)

Catalog Number: M00752-1

### About SMPD1

Sphingomyelin phosphodiesterase 1 (SMPD1), also known as acid sphingomyelinase (ASM), is an enzyme that in humans is encoded by the SMPD1 gene. Enables acid sphingomyelin phosphodiesterase activity and zinc ion binding activity. Involved in ceramide biosynthetic process; positive regulation of apoptotic process; and response to ionizing radiation. Acts upstream of or within ceramide metabolic process; cholesterol metabolic process; and sphingomyelin catabolic process. Located in extracellular space. Is expressed in several structures, including alimentary system; integumental system; nervous system; sensory organ; and skeleton. Used to study Niemann-Pick disease. Human ortholog(s) of this gene implicated in Niemann-Pick disease; Niemann-Pick disease type A; and Niemann-Pick disease type B. Orthologous to human SMPD1 (sphingomyelin phosphodiesterase 1).

### Overview

Product Name	Anti-ASM/SMPD1 Antibody (Monoclonal, 31S67)
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-ASM/SMPD1 Antibody (Monoclonal, 31S67) catalog # M00752-1. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat, Monkey.
Application	IHC, WB
Clonality	Monoclonal 31S67
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P17405

### Technical Details

Immunogen	Recombinant protein within human Acid sphingomyelinase aa 49-629.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-200

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