

## Anti-Smpd1 Antibody Picoband® Cy3 Conjugated

Catalog Number: A00752-1-Cy3

### 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-Smpd1 Antibody Picoband® Cy3 Conjugated
Reactive Species	Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q04519

### Technical Details

Immunogen	E.coli-derived mouse Smpd1 recombinant protein (Position: D204-M558).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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Anti-Smpd1 Antibody - Cy3

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