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SMS Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SMS.
Catalog # AT3964a

Specification

SMS Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P52788
Other Accession	BC009898
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a kappa**
Calculated MW	**41268**

SMS Antibody (monoclonal) (M01) - Additional Information

Gene ID 6611

Other Names
Spermine synthase, SPMSY, Spermidine aminopropyltransferase, SMS

Target/Specificity
SMS (AAH09898.1, 1 a.a. ~ 366 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
SMS Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

SMS Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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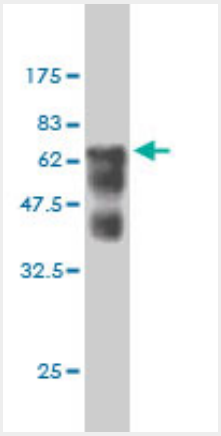
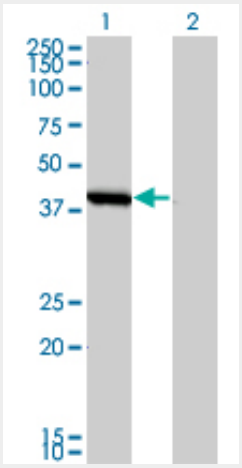
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SMS Antibody (monoclonal) (M01) - Images

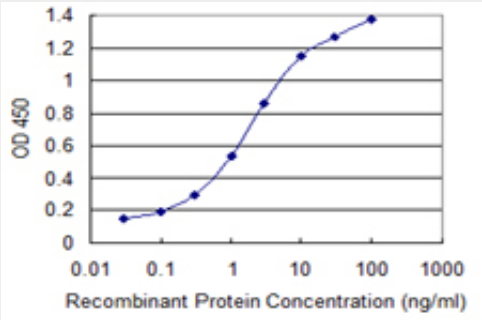


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (66 KDa) .



Western Blot analysis of SMS expression in transfected 293T cell line by SMS monoclonal antibody (M01), clone 1G6.

Lane 1: SMS transfected lysate(41.268 KDa).
Lane 2: Non-transfected lysate.



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Detection limit for recombinant GST tagged SMS is 0.03 ng/ml as a capture antibody.

SMS Antibody (monoclonal) (M01) - Background

The protein encoded by this gene belongs to the spermidine/spermine synthases family. This gene encodes an ubiquitous enzyme of polyamine metabolism.

SMS Antibody (monoclonal) (M01) - References

1.A Y328C missense mutation in spermine synthase causes a mild form of Snyder-Robinson syndrome.Zhang Z, Norris J, Kalscheuer V, Wood T, Wang L, Schwartz C, Alexov E, Van Esch HHum Mol Genet. 2013 May 31.