10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SYT11 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant SYT11.

Catalog # AT4127a

Specification

SYT11 Antibody (monoclonal) (M03) - Product Information

Application	**IF, WB, E**
Primary Accession	Q9BT88
Other Accession	NM_152280
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**48297**

SYT11 Antibody (monoclonal) (M03) - Additional Information

Gene ID 23208

Other Names
Synaptotagmin-11, Synaptotagmin XI, SytXI, SYT11, KIAA0080

Target/Specificity
SYT11 (NP_689493, 84 a.a. ~ 139 a.a) partial 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
SYT11 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

SYT11 Antibody (monoclonal) (M03) - Protocols

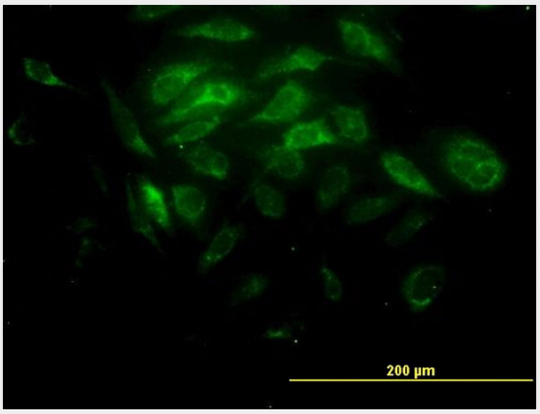
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

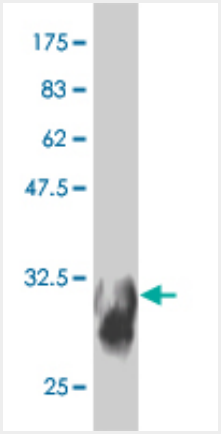
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

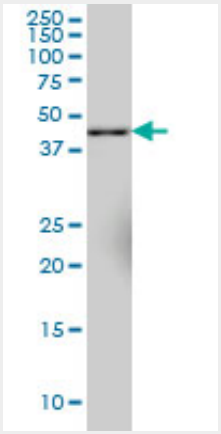
SYT11 Antibody (monoclonal) (M03) - Images



Immunofluorescence of monoclonal antibody to SYT11 on HeLa cell. [antibody concentration 10 ug/ml]

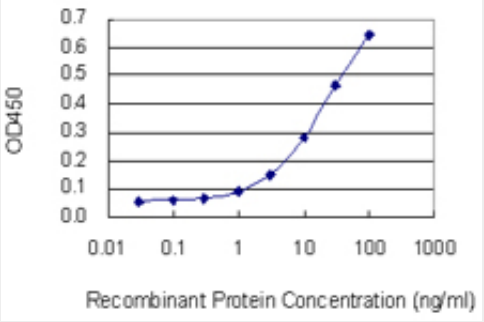


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (31.9 KDa) .



SYT11 monoclonal antibody (M03), clone 4E1 Western Blot analysis of SYT11 expression in IMR-32 ((Cat # AT4127a)

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Detection limit for recombinant GST tagged SYT11 is 0.3 ng/ml as a capture antibody.

SYT11 Antibody (monoclonal) (M03) - Background

This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that are known calcium sensors and mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. The encoded protein is also a substrate for ubiquitin-E3-ligase parkin. The gene has previously been referred to as synaptotagmin XII but has been renamed synaptotagmin XI to be consistent with mouse and rat official nomenclature.

SYT11 Antibody (monoclonal) (M03) - References

Pharmacogenetics of antipsychotic response in the CATIE trial: a candidate gene analysis. Need AC, et al. Eur J Hum Genet, 2009 Jul. PMID 19156168.An empirical framework for binary interactome mapping. Venkatesan K, et al. Nat Methods, 2009 Jan. PMID 19060904.Synaptotagmin XI as a candidate gene for susceptibility to schizophrenia. Inoue S, et al. Am J Med Genet B Neuropsychiatr Genet, 2007 Apr 5. PMID 17192956.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.Signal sequence and keyword trap in silico for selection of full-length human cDNAs encoding secretion or membrane proteins from oligo-capped cDNA libraries. Otsuki T, et al. DNA Res, 2005. PMID 16303743.