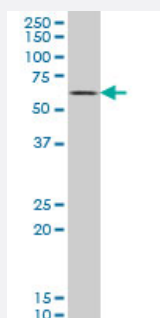


SYN1 monoclonal antibody (M07), clone 4H1

Catalog # H00006853-M07

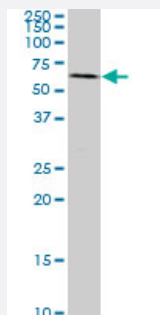
Size 100 ug

Applications



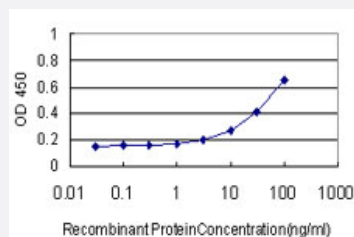
Western Blot (Cell lysate)

SYN1 monoclonal antibody (M07), clone 4H1 Western Blot analysis of SYN1 expression in MCF-7 (Cat # L046V1).



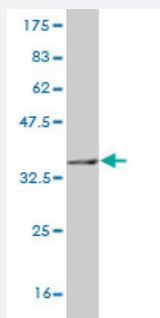
Western Blot (Cell lysate)

SYN1 monoclonal antibody (M07), clone 4H1. Western Blot analysis of SYN1 expression in Jurkat (Cat # L017V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SYN1 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.53 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SYN1.
Immunogen	SYN1 (NP_008881, 362 a.a. ~ 450 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EIFGGLDICAVEALHGKDGRDHIIIEVVGSSMPLIGDHQDEDKQLVELVVNKMAQALPRQRQRDAS PGRGSHGQTPSPGALPLGRQTSQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (96)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

SYN1 monoclonal antibody (M07), clone 4H1 Western Blot analysis of SYN1 expression in MCF-7 (Cat # L046V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

SYN1 monoclonal antibody (M07), clone 4H1. Western Blot analysis of SYN1 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SYN1 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SYN1

Entrez GeneID [6853](#)

GeneBank Accession# [NM_006950](#)

Protein Accession# [NP_008881](#)

Gene Name SYN1

Gene Alias SYN1a, SYN1b, SYN1

Gene Description synapsin I

Omim ID [300491 313440](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family plays a role in regulation of axonogenesis and synaptogenesis. The protein encoded serves as a substrate for several different protein kinases and phosphorylation may function in the regulation of this protein in the nerve terminal. Mutations in this gene may be associated with X-linked disorders with primary neuronal degeneration such as Rett syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations OTTHUMP00000023229|OTTHUMP00000023230|brain protein 4.1

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)