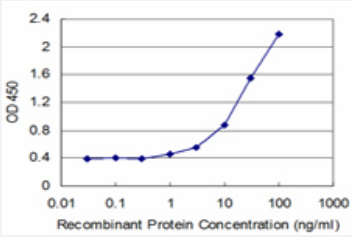
SYN1 monoclonal antibody (M05), clone 3F12

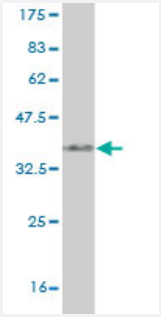
Catalog # H00006853-M05 Size 100 ug

Applications



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	EIFGGLDICAVEALHGKDGRDHIIEVVGSSMPLIGDHQDEDKQLIVELVVNKMAQALPRQRQRDASPGRGSHGQTPSPGALPLGRQTSQ
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (93); Rat (96)
Isotype	IgG
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 (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, SYNI
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