

Datasheet

SYN1 monoclonal antibody (M03), clone 3E3

Catalog Number: H00006853-M03

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant SYN1.

Clone Name: 3E3

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:

EIFGGLDICAVEALHGKDGRDHIIIEVVGSSMPLIGDHQD
EDKQLIVELVVNKMAQALPRQRQRDASPRGRSHGQT
PSPGALPLGRQTSQ

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 6853

Gene Symbol: SYN1

Gene Alias: SYN1a, SYN1b, SYNI

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]