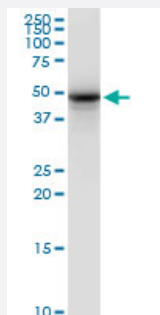


SYT2 monoclonal antibody (M01), clone 1G10

Catalog # H00127833-M01

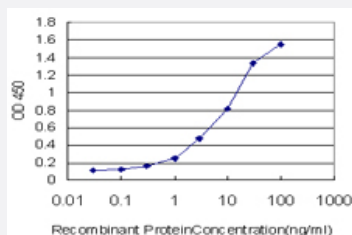
Size 100 ug

Applications



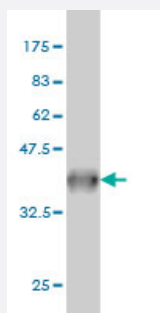
Western Blot (Tissue lysate)

SYT2 monoclonal antibody (M01), clone 1G10. Western Blot analysis of SYT2 expression in human kidney.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SYT2 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.62 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SYT2.

Immunogen	SYT2 (NP_796376, 311 a.a. ~ 418 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KIHLMQNGKRLKKKKTTVKKKTLNPYFNESFSFEIPFEQIQKVQVVVTVLDYDKLGKNEAIGKIFVG SNATGTELRHWSMLANPRRPIAQWHSLKPEEEVDALLGKN
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 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 (Tissue lysate)

SYT2 monoclonal antibody (M01), clone 1G10. Western Blot analysis of SYT2 expression in human kidney.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SYT2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SYT2

Entrez GeneID	127833
GeneBank Accession#	NM_177402
Protein Accession#	NP_796376

Gene Name	SYT2
Gene Alias	SytII
Gene Description	synaptotagmin II
Omim ID	600104
Gene Ontology	Hyperlink
Gene Summary	Synaptotagmins, like SYT2, are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis (Hilbush and Morgan, 1994 [PubMed 8058779]).[supplied by OMIM]
Other Designations	OTTHUMP00000038803 OTTHUMP00000038804 synaptotagmin 2

Publication Reference

- [Synaptotagmin 2 is ectopically overexpressed in excitatory presynapses of a widely used CaMKII \$\alpha\$ -Cre mouse line.](#)

Ken Matsuura, Haytham M A Mohamed, Mohieldin M M Youssef, Yutaka Yoshida, Tadashi Yamamoto.

iScience 2022 Aug; 25(8):104692.

Application: WB-Ce, Mouse, Mouse brain