Synapsin 1/2 - 106 006
Peripheral synaptic vesicle proteins; substrate for several protein kinases

Polyclonal chicken IgY fraction

330.00 USD
select country for shop

Cat. No. 106 006
200 µl antibody, lyophilized. For reconstitution add 200 µl H2O, then aliquot and store at -20°C until use.

Applications

WB: 1 : 1000 (AP staining)

IP: not tested yet

ICC: 1 : 500

IHC: 1 : 500

IHC-P/FFPE: 1 : 500

Synthetic peptide corresponding to AA 2 to 28 from rat Synapsin1 (UniProt Id: P09951)

Reacts with: human (P17600 Q92777), rat (P09951 Q63537), mouse (O88935)

Fig 1

Hoechst 33258
Anti-tubulin Alexa 568
F-actin phalloidin Alexa 488

100 µm

myelin sheath
Tubulin microtubules
axon
dendrites

Synaptic termini
Cell body (soma)
(nucleus)

20 µm

Dendrite
Nucleus
Axon

100 µm

Synapsin
MAP-2

100 µm
Asparagine Serine Serine
KS-I KS-II KS-II within CS2 region
* non-sulphated ** mono-sulphated *** di-sulphated

L-Fucose side chains

<table>
<thead>
<tr>
<th>Compositions of L-Fucose side chains on Fuc-CSs</th>
<th>4S</th>
<th>3S, 4S diS</th>
<th>2S, 4S diS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fucose side chain</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulphation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Positions (% of total)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sea cucumber species</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>4S</th>
<th>3S, 4S diS</th>
<th>2S, 4S diS</th>
<th>Stichopus hermanii</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fucose side chain</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulphation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Positions (% of total)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sea cucumber species</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Monosulphated data not determined (ND) in some cases
Key:

- Disulphide stabilised D1 globular domains
- NG2 D2 core repeat modules
- NG2 TM domain
- PR-PKCa domain
- PDZ-ERK-1, 2
- CS side chain
- Progranulin dimer
- Plasma membrane lipid bilayer
- Phosphorylation site
- ED extracellular domain
- TMD transmembrane domain
- CD cytoplasmic domain

Disulphide stabilised D1 globular domains
NG2 D2 core repeat modules
NG2 TM domain
PR-PKCa domain
PDZ-ERK-1, 2
CS side chain
Progranulin dimer
Plasma membrane lipid bilayer
Phosphorylation site
ED extracellular domain
TMD transmembrane domain
CD cytoplasmic domain
AGE advanced glycation end products
RAGE receptor for advanced glycation end products

VC1 complex

V domain

C1 domain

C2 domain

Transmembrane domain

Cytoplasmic tail

RAGE Extracellular domain

glycan Interactive region

plasma membrane