



Rabbit Anti-Synaptogyrin 1 antibody

SL11372R

Product Name:	Synaptogyrin 1
Chinese Name:	神经细胞囊泡循环蛋白1抗体
Alias:	SNG1 HUMAN;Synaptogyrin-1;Syngr1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Synaptogyrin 1:51-150/580
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The synaptogyrin family of proteins are integral membrane proteins containing four transmembrane regions. Synaptogyrins are tyrosine-phosphorylated proteins with two neuronal isoforms (Synaptogyrin-1 and -3) and one ubiquitous isoform (Synaptogyrin-2). Synaptophysin and synaptogyrin represent the major constituents of synaptic vesicles. Synaptogyrin-1 is associated with presynaptic vesicles in neuronal cells. Synaptogyrin-2, also known as cellugyrin, has a tyrosine phosphorylated C-terminal cytoplasmic tail and is involved in the regulation of membrane traffic in non-neuronal

cells. Synaptogyrin-3 is expressed mainly in brain and placenta. Synaptogyrin-4 is a 234 amino acid protein encoded by the SYNGR4 gene.

Function:

Involved in the regulation of short-term and long-term synaptic plasticity.

Subcellular Location:

Membrane; Multi-pass membrane protein. Melanosome. Cell junction, synapse.
Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Similarity:

Belongs to the synaptogyrin family.
Contains 1 MARVEL domain.

SWISS:

O43759

Gene ID:

9145

Database links:

[Entrez Gene: 610027](#)Dog

[Entrez Gene: 9145](#)Human

[Entrez Gene: 20972](#)Mouse

[Entrez Gene: 100626046](#)Pig

[Entrez Gene: 100427479](#)Rhesus monkey

[Omim: 603925](#)Human

[SwissProt: O43759](#)Human

[SwissProt: O55100](#)Mouse

[SwissProt: Q5R703](#)Orangutan

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

囊泡循环蛋白,Synaptogyrin又称p29, 是均一分布于神经系统的突触囊泡蛋白, 在神经元及神经内分泌细胞高度表达, 它是酪氨酸激酶的一个重要的囊泡相关底物

。synaptogyrin为多基因家族编码, 异构体的cDNA序列同源性为32%~46%。人的囊泡循环蛋白
cDNA有一阅读框架, 编码234个氨基酸, 分子量约25,683Da, 有四个跨膜域, N端与C端朝向囊泡的胞质面, 无糖基化位点, 蛋白分子胞浆尾的氨基酸序列与Syp有74%的同源性。

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