



Rabbit Anti-Synaptogyrin 2 antibody

SL11374R

Product Name:	Synaptogyrin 2
Chinese Name:	神经细胞囊泡循环蛋白2抗体
Alias:	Cellugyrin; MGC102914; SNG2_HUMAN; Synaptogyrin-2; Synaptogyrin2; SYNGR 2; SYNGR-2; SYNGR2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Sheep,
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:	25kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Synaptogyrin 2:101-200/224
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 (Synaptogyrin-1 and -3) and one ubiquitous (Synaptogyrin-2) isoform. 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.

Subcellular Location:

Membrane; Multi-pass membrane protein. Cytoplasmic vesicle (By similarity).

Tissue Specificity:

Ubiquitous; low expression in brain.

Similarity:

Belongs to the synaptogyrin family.

Contains 1 MARVEL domain.

SWISS:

O43760

Gene ID:

9144

Database links:

[Entrez Gene: 9144](#)Human

[Entrez Gene: 89815](#)Rat

[Omim: 603926](#)Human

[SwissProt: O43760](#)Human

[SwissProt: O54980](#)Rat

[Unigene: 464210](#)Human

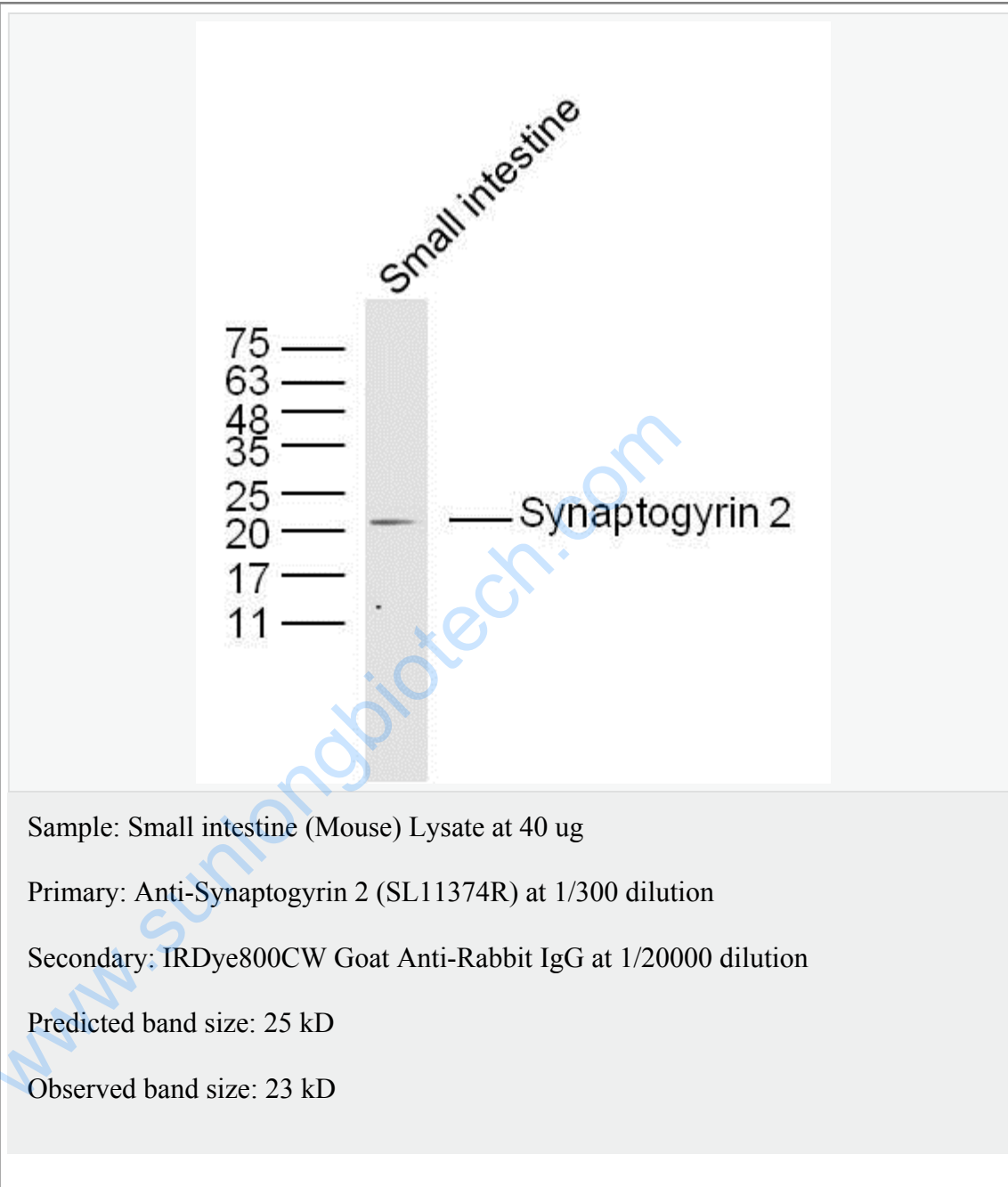
[Unigene: 708616](#)Human

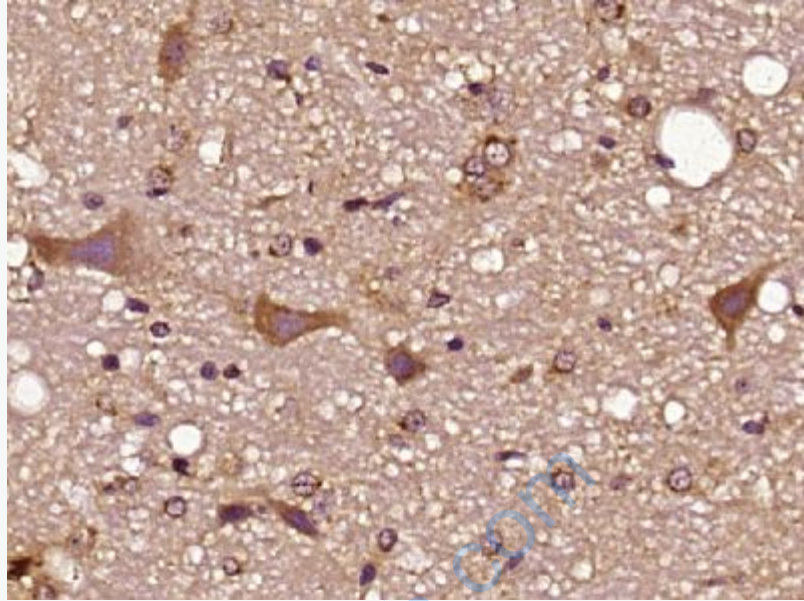
[Unigene: 34912](#)Rat

Important Note:

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

Picture:





Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Synaptogyrin 2) Polyclonal Antibody, Unconjugated (SL11374R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.