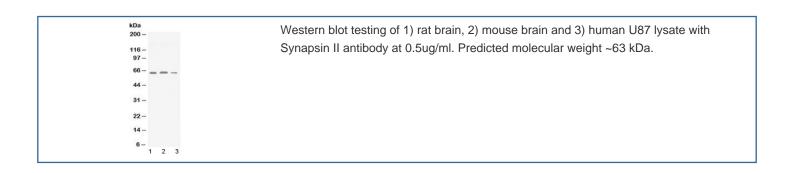


# Synapsin II Antibody (R32568)

| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R32568      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

## **Bulk quote request**

| Availability       | 1-3 business days   |
|--------------------|---|
| Species Reactivity | Human, Mouse, Rat   |
| Format             | Antigen affinity purified                                     |
| Clonality          | Polyclonal (rabbit origin)                                    |
| Isotype            | Rabbit IgG  |
| Purity             | Antigen affinity  |
| Buffer             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| UniProt            | Q92777  |
| Applications       | Western Blot : 0.5-1ug/ml                                     |
| Limitations        | This Synapsin II antibody is available for research use only. |



## **Description**

Synapsin II is the collective name for synapsin IIa and synapsin IIb, two nearly identical phosphoproteins in the synapsin family that in humans are encoded by the SYN2 gene. 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 encodes a neuron-specific phosphoprotein that selectively binds to small synaptic vesicles in the presynaptic nerve terminal. Polymorphisms in this gene are associated with abnormal presynaptic function and related neuronal disorders, including autism, epilepsy, bipolar disorder and schizophrenia. Alternative splicing of this gene results in multiple transcript variants. The tissue inhibitor of

metalloproteinase 4 gene is located within an intron of this gene and is transcribed in the opposite direction.

### **Application Notes**

Differences in protocols and secondary/substrate sensitivity may require the Synapsin II antibody to be titrated for optimal performance.

## **Immunogen**

Amino acids A497-D582 from the human protein were used as the immunogen for the Synapsin II antibody.

#### **Storage**

After reconstitution, the Synapsin II antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.