Rabbit antibody to beta synuclein (108-125): whole serum

**Catalogue No.:** R-056-100

**Description:** Beta-synuclein is a non-amyloid component of senile plaques found in Alzheimer disease. It could act as a regulator of SNCA aggregation. It protects neurons from staurosporine and 6-hydroxy dopamine-stimulated caspase activation in a p53-dependent manner. It localises to the cytoplasm and it is predominantly expressed in the brain where it is most concentrated in presynaptic nerve terminals. This protein is phosphorylated. This protein is also associated with the disease Brain iron accumulation type 1 (NBIA1).

**Batch No.:** See product label

**Unit size:** 100 uL

**Antigen:** A synthetic peptide (IEPLMEPESYEDPPQE) of human beta synuclein protein (aa: 108-125) conjugated to diphtheria toxid has been used as the immunogen.

**Other Names:** SNCB

**Accession:** Q16143 SYUB_HUMAN;

**Produced in:** Rabbit

**Purity:** Whole serum

**Applications:** IHC, WB, immunoblot. A dilution of 1:500 to 1:2000 is recommended for these applications. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.

**Specificity:** Less than 0.1% cross reactivity to human alpha synuclein

**Cross-reactivity:** This antiserum is known to react with human and rat beta synuclein.

**Form:** Lyophilised

**Reconstitution:** Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.

**Storage:** After reconstitution keep aliquots at -20°C for a higher stability, and at 2-8°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.

**Expiry Date:** 12 months after purchase

**Specific References:**

FOR RESEARCH USE ONLY

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Immunohistochemical staining of beta synuclein in rat spinal cord using rabbit polyclonal to human beta synuclein, catalogue number R-056-100. Motor nerve terminals are intensely stained.