

 **$\alpha$ -Synuclein polyclonal antibody**

Catalog: BS80495

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer's disease. Alternatively spliced transcripts encoding different isoforms have been identified for this gene.

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

18KDa

**Swiss-Prot:**

P37840

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB,1:500 - 1:2000|IF/ICC,1:50 - 1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Modification:**

Unmodification

**DATA:**

Western blot analysis of extracts of various cell lines, using  $\alpha$ -Synuclein antibody at 1:1000 dilution.<br/>Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.<br/>Lysates/proteins: 25ug per lane.<br/>Blocking buffer: 3% nonfat dry milk in TBST.<br/>Detection: ECL Basic Kit .<br/>Exposure time: 1s.

Western blot analysis of extracts of 293T cells, using  $\alpha$ -Synuclein antibody at 1:1000 dilution.<br/>Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.<br/>Lysates/proteins: 25ug per lane.<br/>Blocking buffer: 3% nonfat dry milk in TBST.<br/>Detection: ECL Basic Kit .<br/>Exposure time: 30s.

Immunofluorescence analysis of Neuro-2a cells using  $\alpha$ -Synuclein Rabbit pAb at dilution of 1:100 . Blue: DAPI for nuclear staining.

Immunofluorescence analysis of SH-SY5Y cells using  $\alpha$ -Synuclein Rabbit pAb at dilution of 1:100 . Blue: DAPI for nuclear staining.

**Note:**

For research use only, not for use in diagnostic procedure.

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