

## Synuclein $\alpha$ polyclonal antibody

Catalog: BS91312

Host: Rabbit

Reactivity: Human, Mouse

### BackGround:

The synuclein family members, including  $\alpha$ -synuclein (also designated NACP for non- $\beta$ -Amyloid component) and  $\beta$ -synuclein, are predominantly expressed in the brain and are speculated to be involved in synaptic regulation and neuronal plasticity.  $\alpha$ -synuclein is localized to neuronal cell bodies and synapses.  $\alpha$ -synuclein was first identified as a component of Alzheimer's disease amyloid plaques. Abnormal platelet function in Alzheimer's disease has been demonstrated. During megakaryocytic differentiation  $\alpha$ -synuclein has been found to be upregulated, while  $\beta$ -synuclein is downregulated, indicating that coordinate expression of synucleins may be important during hematopoietic cell differentiation. A mutant form of  $\alpha$ -synuclein has been found in patients with early onset Parkinson's disease.

### Product:

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

### Molecular Weight:

16 kDa

### Swiss-Prot:

P37840(Human) O55042(Mouse)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

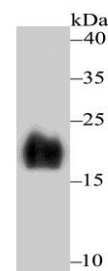
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

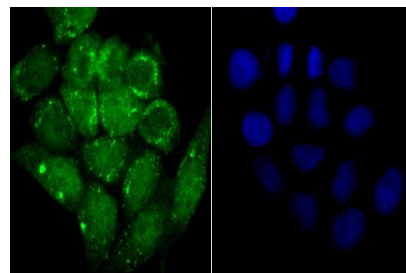
### Specificity:

Synuclein  $\alpha$  polyclonal antibody detects endogenous levels of Synuclein  $\alpha$  protein.

### DATA:



Western blot analysis of Alpha Synuclein on human fetal brain tissue lysate using anti-Alpha Synuclein antibody at 1/500 dilution.



ICC staining Alpha Synuclein in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

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

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