

## SNCA Polyclonal Antibody

**catalog number: D-AB-10173L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

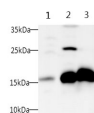
### Description

<b>Reactivity</b>	Human;mouse;Rat
<b>Immunogen</b>	Recombinant Human SNCA protein expressed by E.coli
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications Recommended Dilution

<b>WB</b>	1:500-1:1000
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### Data



Western blot with SNCA Polyclonal antibody at dilution of 1:500. lane 1:SH-SY5Y whole cell lysate, lane 2:Mouse brain, lane 3:Rat brain

**Observed-MW:16 kDa**

**Calculated-MW:14 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

Neuronal protein that plays several roles in synaptic activity such as regulation of synaptic vesicle trafficking and subsequent neurotransmitter release. Participates as a monomer in synaptic vesicle exocytosis by enhancing vesicle priming, fusion and dilation of exocytotic fusion pores. Mechanistically, acts by increasing local  $Ca^{2+}$  release from microdomains which is essential for the enhancement of ATP-induced exocytosis. Acts also as a molecular chaperone in its multimeric membrane-bound state, assisting in the folding of synaptic fusion components called SNAREs at presynaptic plasma membrane in conjunction with cysteine string protein-alpha/DNAJC5.

### For Research Use Only