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Anti-Beta-synuclein Antibody

Rabbit polyclonal antibody to Beta-synuclein
Catalog # AP59704

Product Information

Application	WB, IF/IC
Primary Accession	Q16143
Other Accession	Q91ZZ3
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14288

Additional Information

Gene ID	6620
Other Names	Beta-synuclein
Target/Specificity	Recognizes endogenous levels of Beta-synuclein protein.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

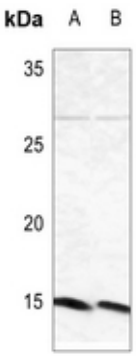
Protein Information

Name	SNCB
Function	Non-amyloid component of senile plaques found in Alzheimer disease. Could act as a regulator of SNCA aggregation process. Protects neurons from staurosporine and 6-hydroxy dopamine (6OHDA)-stimulated caspase activation in a p53/TP53-dependent manner. Contributes to restore the SNCA anti-apoptotic function abolished by 6OHDA. Not found in the Lewy bodies associated with Parkinson disease.
Cellular Location	Cytoplasm.
Tissue Location	Expressed predominantly in brain; concentrated in presynaptic nerve terminals

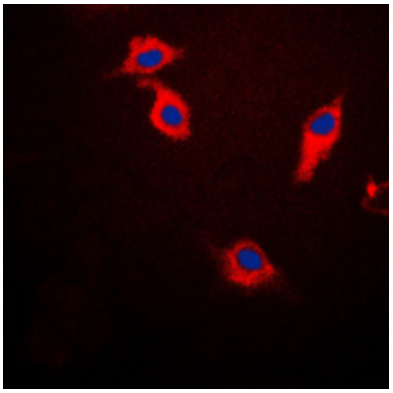
Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Beta-synuclein. The exact sequence is proprietary.

Images



Western blot analysis of Beta-synuclein expression in mouse testis (A), rat testis (B) whole cell lysates.



Immunofluorescent analysis of Beta-synuclein staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).