

Rabbit Beta-Synuclein Polyclonal Antibody | anti-SNCB antibody

Beta-Synuclein

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76695	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, Immunocytochemistry

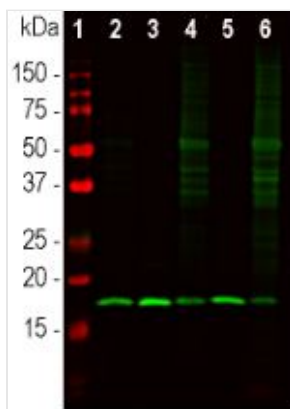
PRODUCT SYNONYMS

Beta-Synuclein; Polyclonal Antibody; anti-SNCB antibody

PRODUCT SPECIFICATIONS

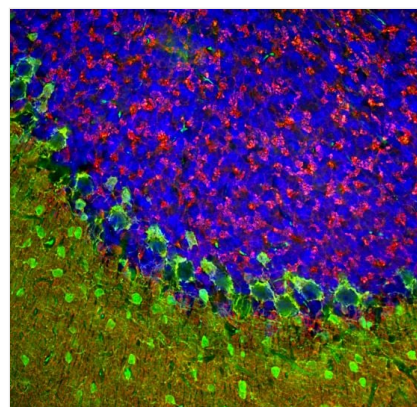
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Form/Format	Affinity Purified antibody Liquid. Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN3
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SNCB antibody	IF (Immunofluorescence), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	C-terminal peptide of human beta-synuclein EPEGESYEDPPQEYQEYEPEA coupled to KLH
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for six months without detectable loss of activity. The antibody is stable at 2-8 degree C for 1 year. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of different tissue lysates using rabbit pAb to beta-synuclein, RA22141, dilution 1:1,000 in green: [1] protein standard (red), [2] mouse cerebellum [3] mouse hippocampus, [4] rat cerebellum, [5] rat hippocampus, and [6] cow cerebellum. Strong band at about 17kDa corresponds to the beta-synuclein protein.



IF (Immunofluorescence)

Immunofluorescent analysis of rat cerebellum section stained with rabbit pAb to beta-synuclein dilution 1:1,000 in red, and costained with chicken pAb to parvalbumin dilution 1:5,000 in green. The blue is Hoechst staining of nuclear DNA. The beta-synuclein antibody detects protein concentrated in synaptic regions, and parvalbumin antibody labels the perikarya and dendrites of Purkinje cells, and interneurons in the molecular layer of the cerebellum.

ADDITIONAL INFORMATION

Related Product Information for anti-SNCB antibody	beta-synuclein is a member of the synuclein protein family, the other two members being alpha and gamma-synuclein, each protein being coded for by a distinct but related gene. alpha-synuclein was originally isolated as a major synaptic vesicle associated protein from the electric organ of the fish Torpedo, and direct homologues of alpha-synuclein are found in all vertebrates. Later work connected alpha-synuclein expression with several human brain pathologies, so that it is a major component of the Lewy bodies of Parkinson's disease. beta-synuclein was isolated as a component of normal and diseased human brain as a protein clearly related to but distinct from alpha-synuclein. The human beta-synuclein molecule is 134 amino acids in size compared to 140 amino acids for alpha-synuclein, and the N-terminal halves of the two molecules are virtually identical while the C-terminal regions is more variable.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48255903
NCBI GeneID	6620
NCBI Accession #	NP_001001502.1
NCBI GenBank Nucleotide #	NM_001001502.1
UniProt Accession #	Q16143; Q6IAX7
Molecular Weight	14,288 Da
NCBI Official Full Name	beta-synuclein
NCBI Official Synonym Full Names	synuclein, beta
NCBI Official Symbol	SNCB
NCBI Protein Information	beta-synuclein
UniProt Protein Name	Beta-synuclein
UniProt Gene Name	SNCB
UniProt Entry Name	SYUB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/beta-synuclein-antibody-immunofluorescence-western-blot-immunocytochemistry-elisa/76695>