

ARG11148 anti-beta Synuclein antibody [6A10]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [6A10] recognizes beta Synuclein
Tested Reactivity	Hu, Ms, Rat, Cow, Pig
Tested Application	IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	6A10
Isotype	IgG1
Target Name	beta Synuclein
Species	Human
Immunogen	KLH-conjugated synthetic peptide around the C-terminal region of Human beta Synuclein. (EPEGSYEDPPQEEYQEYEPAA)
Conjugation	Un-conjugated
Alternate Names	Beta-synuclein

Application Instructions

Application table	Application	Dilution
	IHC-Fr	1:500 - 1:1000
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 18 kDa	

Properties

Form	Liquid
Purification	Purified
Buffer	PBS, 5 mM Sodium azide and 50% Glycerol.
Preservative	5 mM Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

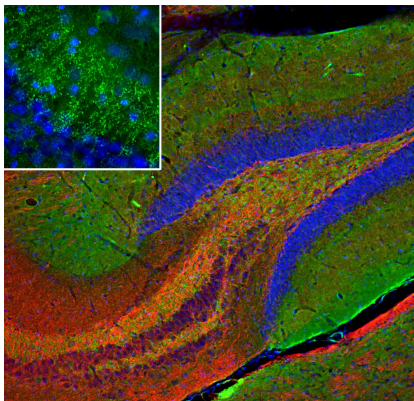
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

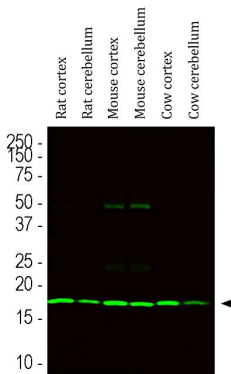
Gene Symbol	SNCB
Gene Full Name	synuclein, beta
Background	This gene encodes a member of a small family of proteins that inhibit phospholipase D2 and may function in neuronal plasticity. The encoded protein is abundant in lesions of patients with Alzheimer disease. A mutation in this gene was found in individuals with dementia with Lewy bodies. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]
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. [UniProt]
Calculated Mw	14 kDa
PTM	Phosphorylated. Phosphorylation by G-protein coupled receptor kinases (GRK) is more efficient than phosphorylation by CK1, CK2 and CaM-kinase II. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

Images



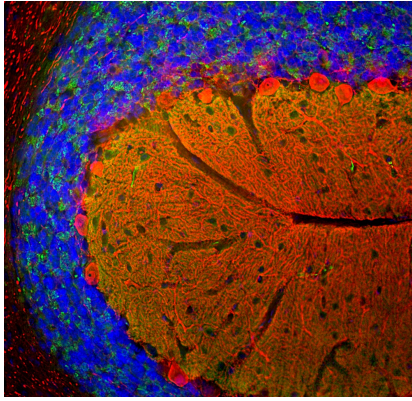
ARG11148 anti-beta Synuclein antibody [6A10] IHC-Fr image

Immunohistochemistry: Frozen section of Mouse hippocampus tissue stained with ARG11148 anti-beta Synuclein antibody [6A10] (green) at 1:500 dilution, and co-stained with [ARG11140](#) anti-Neurofilament NF-L (C-ter) antibody (red) at 1:5000 dilution. Hoechst (blue) for nuclear staining. (Sample preparation: Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μM, and free-floating sections were stained with above antibodies.).



ARG11148 anti-beta Synuclein antibody [6A10] WB image

Western blot: Rat cortex, Rat cerebellum, Mouse cortex, Mouse cerebellum, Cow cortex and Cow cerebellum lysates stained with ARG11148 anti-beta Synuclein antibody [6A10] at 1:1000 dilution.



ARG11148 anti-beta Synuclein antibody [6A10] IHC-Fr image

Immunohistochemistry: Frozen section of Rat cerebellum tissue stained with ARG11148 anti-beta Synuclein antibody [6A10] (green) at 1:500 dilution, and co-stained with [ARG11111](#) anti-Calbindin antibody (red) at 1:5000 dilution. Hoechst (blue) for nuclear staining. (Sample preparation: Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ M, and free-floating sections were stained with above antibodies.).