抗人α-突触核蛋白参考抗体

Anti-Human alpha-Synuclein Reference Antibody

货号：RB9T37015128

在您使用本产品前请认真阅读说明书，这对您顺利完成实验很有帮助。

产品编码
RB9T37015128

中文名称
抗人α-突触核蛋白参考抗体

英文名称
Anti-Human alpha-Synuclein Reference Antibody

形态
Liquid

纯度
>95% purity as determined by SDS-PAGE.

内毒素水平
Please contact the lab for this information.

应用
ELISA, Bioactivity: FACS, Functional assay, Research in vivo

表达系统
Mammalian Cells

登录号
P37840

宿主种属
Humanized

克隆性
Monoclonal

抗体亚型
IgG1-lambda

纯化方式
Protein A/G purified from cell culture supernatant.

浓度
1mg/ml

种属反应性
Human

靶标

Alpha-synuclein, PARK1, Non-A4 component of amyloid precursor, NACP, Non-A beta component of AD amyloid, SNCA

背景信息

Cinpanemab is a human-derived monoclonal antibody directed against α-synuclein. Genetic and pathology evidence implicate this protein in the molecular pathogenesis of Parkinson's disease (PD) and other α-synucleinopathies such as dementia with Lewy bodies (DLB). In 2010, Biogen licensed cinpanemab from Neurimmune. The antibody was generated with reverse translational medicine technology from naturally occurring, presumably protective antibodies found in healthy aged donors, as were aducanumab and other antibodies in the Biogen-Neurimmune partnership. The antibody, previously known as BIIB054, binds to α-synuclein residues 1-10, with 800-fold higher affinity for aggregated over monomeric α-synuclein. The antibody inhibits α-synuclein spreading in cell-based assays, and slows pathology and motor symptoms in mice (Weihofen et al., 2019).

• Direct evidence for ultrastructures of the α-synuclein-associated synaptic vesicle pool in presynaptic terminals., PMID:39233262

• Progress in the pathogenesis and genetics of Parkinson's disease., PMID:18426756

• Genetics of Parkinson disease., PMID:15717024

• [Genetic factors associated with dementia in Parkinson's disease (PD)]., PMID:25739491

• Analysis of GWAS-linked loci in Parkinson disease reaffirms PARK16 as a susceptibility locus., PMID:20697102

• Molecular findings in familial Parkinson disease in Spain., PMID:12056932

• Are genetic and sporadic Parkinson's disease patients equally susceptible to develop dementia, PMID:19740488

• Caenorhabditis elegans as an experimental tool for the study of complex neurological diseases: Parkinson's disease, Alzheimer's disease and autism spectrum disorder., PMID:22068627

• TRAF6 promotes atypical ubiquitination of mutant DJ-1 and alpha-synuclein and is localized to Lewy bodies in sporadic Parkinson's disease brains., PMID:20634198

• Positron emission tomography changes in PARK1 mutation., PMID:16211612

别名

BIIB054, BIIB-054, 2094516-02-4

储存缓冲液

0.01M PBS, pH 7.4.

稳定性和储存

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4° C for short-term storage (1-2 weeks). Store at -20° C for up to 12 months. For long-term storage, store at -80° C.

For research use only. Not suitable for clinical or therapeutic use.