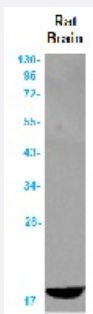


RecomAb™

SNCA recombinant monoclonal antibody, clone R01-4E1

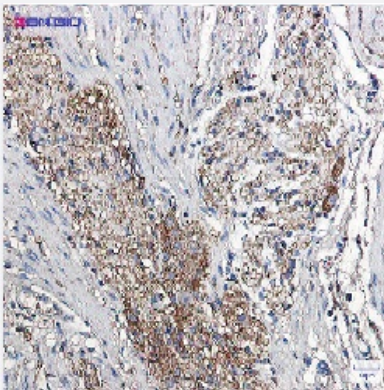
Catalog # RAB01611 Size 100 uL

Applications



Western Blot

Western blot analysis of Alphasynuclein in rat Brain lysates using human Alpha-synuclein recombinant monoclonal antibody, clone R01-4E1 (Cat # RAB01611).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human colon cancer with Alphasynuclein recombinant monoclonal antibody, clone R01-4E1 (Cat # RAB01611).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human Alpha-synuclein.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human Alpha-synuclein
Theoretical MW (kDa)	Calculated MW: 14 kD
Reactivity	Human

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Alphasynuclein in rat Brain lysates using human Alpha-synuclein recombinant monoclonal antibody, clone R01-4E1 (Cat # RAB01611).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human colon cancer with Alphasynuclein recombinant monoclonal antibody, clone R01-4E1 (Cat # RAB01611).

- Immunoprecipitation

Gene Info — SNCA

Entrez GeneID	6622
Protein Accession#	P37840
Gene Name	SNCA
Gene Alias	MGC110988, NACP, PARK1, PARK4, PD1
Gene Description	synuclein, alpha (non A4 component of amyloid precursor)
Omim ID	127750 163890 168601 605543

Gene Ontology

[Hyperlink](#)

Gene Summary

Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer's disease. Four alternatively spliced transcripts encoding two different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000161559|OTTHUMP00000161561|alpha synuclein|alpha-synuclein|alpha-synuclein, isoform NACP140|non A-beta component of AD amyloid|non A4 component of amyloid

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Association Learning](#)
- [Attention](#)
- [Cardiovascular Diseases](#)
- [Chromosome Breakage](#)
- [Cognition Disorders](#)
- [Color Perception](#)
- [Cystic fibrosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Essential tremor](#)
- [Genetic Predisposition to Disease](#)
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- [Mental Recall](#)
- [Metabolic Syndrome X](#)
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- [Neuropsychological Tests](#)
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- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
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