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SNCB Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a full-length recombinant SNCB.
Catalog # AT3979a

Specification

SNCB Antibody (monoclonal) (M07) - Product Information

Application	**WB, E**
Primary Accession	Q16143
Other Accession	BC002902
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**14288**

SNCB Antibody (monoclonal) (M07) - Additional Information

Gene ID 6620

Other Names
Beta-synuclein, SNCB

Target/Specificity
SNCB (AAH02902, 1 a.a. ~ 134 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
SNCB Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

SNCB Antibody (monoclonal) (M07) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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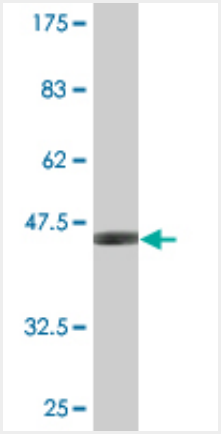
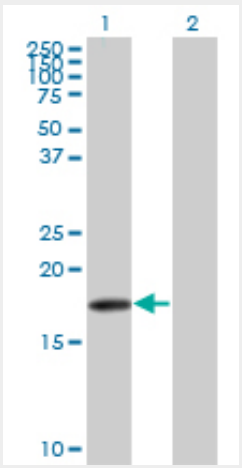
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SNCB Antibody (monoclonal) (M07) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (40.48 KDa) .



Western Blot analysis of SNCB expression in transfected 293T cell line by SNCB monoclonal antibody (M07), clone 3H4.

Lane 1: SNCB transfected lysate(14.3 KDa).
Lane 2: Non-transfected lysate.

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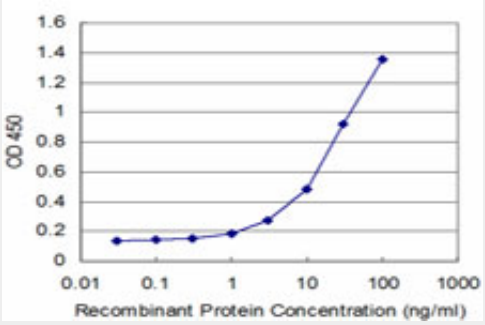

Detection limit for recombinant GST tagged SNCB is approximately 1ng/ml as a capture antibody.

SNCB Antibody (monoclonal) (M07) - Background

The protein encoded by this gene is highly homologous to alpha-synuclein. These proteins are abundantly expressed in the brain and putatively inhibit phospholipase D2 selectively. The encoded protein, which may play a role in neuronal plasticity, is abundant in neurofibrillary lesions of patients with Alzheimer disease. This protein has been shown to be highly expressed in the substantia nigra of the brain, a region of neuronal degeneration in patients with Parkinson disease; however, no direct relation to Parkinson disease has been established. Two transcript variants encoding the same protein have been found for this gene.

SNCB Antibody (monoclonal) (M07) - References

Association of alpha-, beta-, and gamma-Synuclein with diffuse lewy body disease. Nishioka K, et al. Arch Neurol, 2010 Aug. PMID 20697047.Expression of alpha-, beta- and gamma-synuclein in colorectal cancer, and potential clinical significance in progression of the disease. Ye Q, et al. Oncol Rep, 2010 Feb. PMID 20043104.Molecular determinants of the aggregation behavior of alpha- and beta-synuclein. Rivers RC, et al. Protein Sci, 2008 May. PMID 18436957.Spectroscopic and functional characterization of human beta-synuclein. Lee J, et al. Protein Pept Lett, 2007. PMID 18221001.An investigation into the lipid-binding properties of alpha-, beta- and gamma-synucleins in human brain and cerebrospinal fluid. Salem SA, et al. Brain Res, 2007 Sep 19. PMID 17692832.