

SNCA

Mouse Anti-Human Alpha-Synuclein Clone KM51 mAb

Catalog No.	MONX10739	Quantity:	1 mL
Alternate Names:	SNCA, PD1, NACP, PARK1, PARK4		
Description:	<p>Mouse Anti-Human Alpha-Synuclein, clone KM51. Alpha-synuclein is a protein of 140 amino acids and a member of the synuclein family. Alpha-synuclein, also known as the non-AB component of Alzheimer's disease amyloid precursor protein (NCAP). It shares sixty one per cent of its sequence with beta-synuclein and is highly conserved between vertebrate species. It does not possess a signal sequence suggesting that it is an intracellular protein. All synucleins have the unusual organization based around an eleven residue repeating motif and an alpha-helical secondary structure resembling those found in the lipid-binding domain of exchangeable apolipoproteins including Apo E. This homology suggests a direct interaction of alpha-synuclein with membranes consistent with its affinity for synaptosomes. The function of alpha-synuclein may be to carry a target protein to the inner membrane of nerve terminals or to the outer surface of synaptic vesicles.</p>		
Gene ID:	6622		
Specificity:	alpha-synuclein		
Host:	Mouse		
Immunogen:	Recombinant protein corresponding to the majority of full-length alpha-synuclein		
Isotype:	IgG, κ		
Clone:	KM51		
Formulation:	Liquid tissue culture supernatant with 15 mM sodium azide		
Cross-Reactivity:	Clone KM51 is specific for alpha-synuclein and is unreactive with beta-synuclein.		
Applications:	Immunohistochemistry on paraffin sections		
Application Notes:	<p>Typical working dilution 1:20-1:40. Recommended staining procedure: high temperature antigen unmasking technique using 1mM EDTA (pH 8.0). Pretreatment of tissue sections with 98-100 % formic acid before or after high temperature unmasking can enhance staining. Immerse sections in formic acid for 3 minutes, followed immediately by rinsing in distilled water. Recommended primary antibody incubation for 1 hour at 25 °C. Standard ABC technique.</p>		
Storage & Stability:	Store at 4°C. Under these conditions, there is no significant loss in product performance up to the expiration date. Prepare working dilutions on the day of use. DO NOT FREEZE		

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