

Mouse anti-Alpha-Synuclein, clone KM51 (monoclonal)

Clone no. KM51

MONXtra

Product name	Mouse anti-Alpha-Synuclein, clone KM51 (monoclonal)
Host	Mouse
Applications	IHC-P (1:20-1:40)
Species reactivity	human
Conjugate	-
Immunogen	Prokaryotic recombinant protein corresponding to the majority of the full length alpha-synuclein molecule
Isotype	IgG1, kappa
Clonality	Monoclonal
Clone number	KM51
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	Tissue culture supernatant with 15mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Alpha-synuclein is a protein of 140 amino acids and a member of the synuclein family. It shares 61% sequence homology 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 an unusual organization based around the 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. Clone KM51 is specific for alpha-synuclein and is unreactive with beta-synuclein. Pretreatment of tissue sections with 98-100% formic acid is also recommended.

References

1. Baba M et al. American Journal of Pathology. 152 (4): 879–884 (1998)
2. Polymeropoulos MH et al. Science. 276: 2045–2047 (1997)
3. Spillantini MG et al. Nature. 388: 839–840 (1997)
4. Weinreb PH et al. Biochemistry. 35 (43): 13709–13715 (1996)
5. -

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