

alpha Synuclein Monoclonal Antibody (3F8), APC

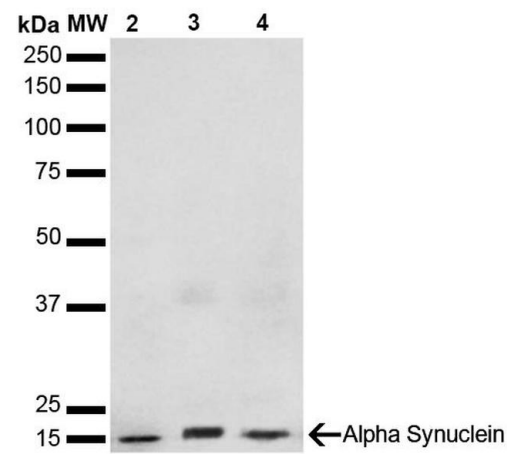
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3F8
Conjugate	APC
Excitation/Emission Max	651/660 nm
Immunogen	Mouse alpha synuclein aggregate
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	potassium phosphate/2.15mM MES/47.35mM phosphate/sodium phosphate, pH 7.4, with 1.033mM EDTA
Contains	no preservative
Storage conditions	4° C

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (IHC)	1:200	-
Immunocytochemistry (ICC/IF)	1:100	-
ELISA (ELISA)	1:1,000	-
Dot blot (DB)	1:1,000	-

Product Specific Information

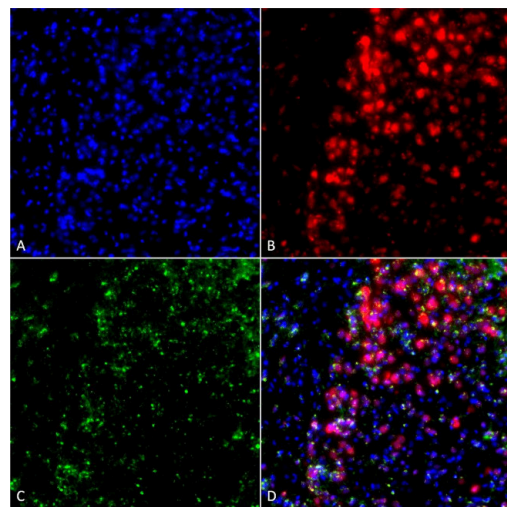
A 1:1,000 dilution of MA5-45843 was sufficient for detection of Alpha Synuclein in 15 µg of human brain cell lysate by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.[Binds within the 101-140 aa region of human alpha synuclein, determined using WB and ELISA with corresponding peptides. Detects approximately 14 kDa band corresponding to Alpha synuclein.approximately Does not detect truncated alpha Synuclein (aa 1-114)

Product Images For alpha Synuclein Monoclonal Antibody (3F8), APC



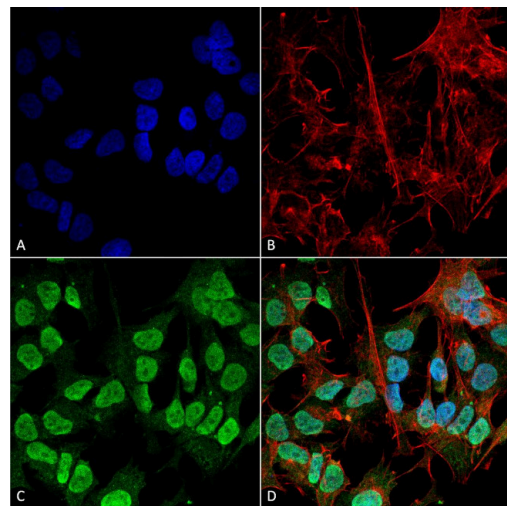
alpha Synuclein Antibody (MA5-45843) in WB

Western Blot analysis of Human, Mouse, Rat Brain showing detection of 14 kDa Alpha Synuclein protein. Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Brain cell lysate. Lane 3: Rat brain cell lysate. Lane 4: Human brain cell lysate. Load: 15 µg. Blocking: 5% Skim Milk in 1X TBST. Samples were incubated with Alpha Synuclein monoclonal antibody (Product # MA5-45843) at 1:1,000 for 2 hours at RT, followed by Goat Anti-Mouse HRP:lgG at 1:3,000 for 1 hour at RT. Color Development: ECL solution (Super Signal West Pico) for 5 min in RT. Predicted/Observed Size: 14 kDa.



alpha Synuclein Antibody (MA5-45843) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using rat primary hippocampal neurons treated with active Alpha Synuclein Protein Aggregate at 4 µg/mL to induce fibrils. Fixation involved 4% paraformaldehyde. Samples were incubated with Alpha Synuclein monoclonal antibody (Product # MA5-45843) at 1:200 for 24 hours at 4°C, followed by Goat Anti-Mouse Alexa Fluor 488 at 1:700 for 1 hour at RT. Counterstain used was Guinea Pig Anti-NeuN (red) neuronal marker (Donkey Anti-Guinea Pig Alexa Fluor 647 1:700); DAPI (blue) nuclear stain at 1:6,000, 1:3,000 for 60 min at RT, 5 min at RT. Magnification: 20X. (A) DAPI (blue) nuclear stain. (B) NeuN neuronal marker (red). (C) Alpha Synuclein antibody. (D) Composite.



alpha Synuclein Antibody (MA5-45843) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% Formaldehyde for 15 min at RT. Samples were incubated with Alpha Synuclein monoclonal antibody (Product # MA5-45843) at 1:100 for 60 min at RT, followed by Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain used was Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1,000, 1:5,000 for 60 min at RT, 5 min at RT. Localization: Cytoplasm: weak; Nucleus: Med. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Alpha Synuclein antibody. (D) Composite.

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