

# alpha Synuclein Monoclonal Antibody (3C11), FITC

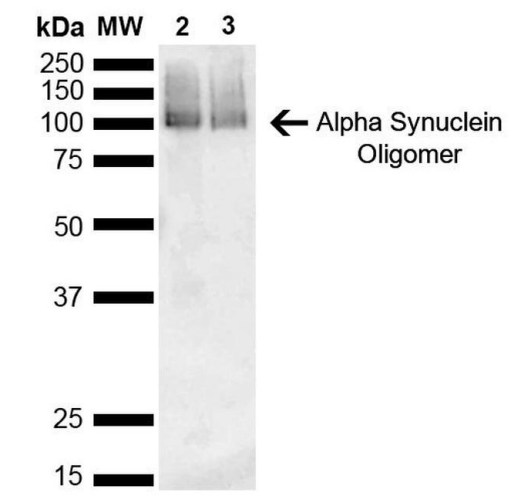
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3C11
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Immunogen	Human alpha synuclein monomer
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	9.44mM PBS/9.1mM sodium bicarbonate, pH 7.4, with 581mM DMSO, 123mM ethanolamine
Contains	no preservative
Storage conditions	4° C, store in dark

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:25	-
Immunocytochemistry (ICC/IF)	1:100	-
ELISA (ELISA)	1:1,000	-
Dot blot (DB)	1:1,000	-

## Product Specific Information

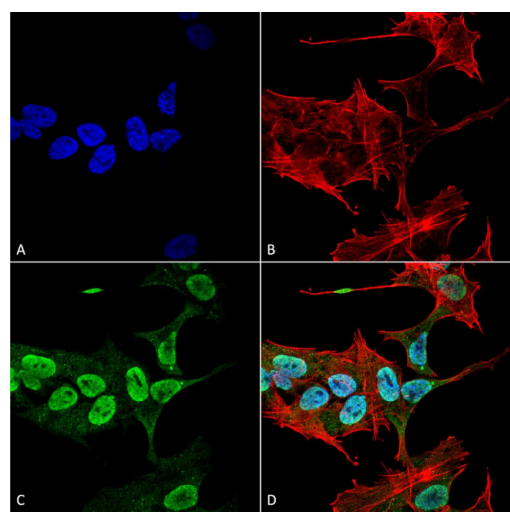
A 1:1,000 dilution of MA5-45838 was sufficient for detection of Alpha Synuclein in 15 µg of human brain cell lysate by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.[Binds within the 81-130 aa region of human alpha synuclein, determined using WB and ELISA with corresponding peptides. Detects approximately 14 kDa band corresponding to Alpha synuclein. Band at approximately 30 kDa is a dimer.

Product Images For alpha Synuclein Monoclonal Antibody (3C11), FITC



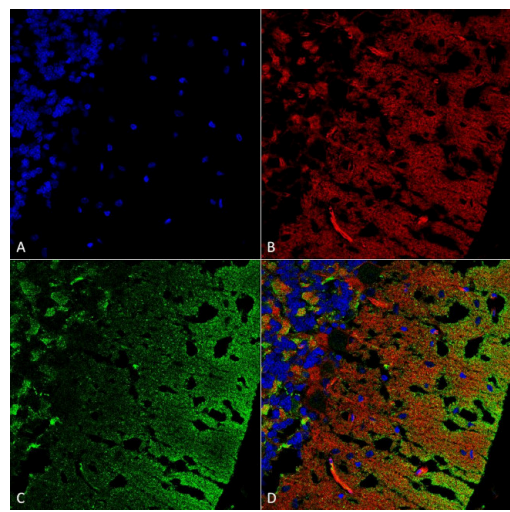
alpha Synuclein Antibody (MA5-45838) in WB

Western Blot analysis of 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. Load: 15 µg. Blocking: 5% Skim Milk in 1X TBST. Samples were incubated with Alpha Synuclein monoclonal antibody (Product # MA5-45838) 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. Other Band(s): ~30 kDa (dimer).



alpha Synuclein Antibody (MA5-45838) 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 # MA5-45838) 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.



alpha Synuclein Antibody (MA5-45838) in IHC (P)

Immunohistochemistry analysis using cerebellum. Fixation involved formalin fixed, paraffin embedded treatment. Samples were incubated with Alpha Synuclein monoclonal antibody (Product # MA5-45838) at 1:25 for 1 hour at RT, followed by Goat Anti-Mouse IgG: Alexa Fluor 488. Counterstain used was Actin-binding Phalloidin-Alexa Fluor 633; DAPI (blue) nuclear stain. Magnification: 63X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Alexa Fluor 633 F-Actin stain. (C) Alpha Synuclein antibody (D) Composite.

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