

Product Datasheet

Alpha Synuclein Antibody: Biotin (orb413308)

Description	Mouse monoclonal antibody against alpha Synuclein conjugated to Biotin
Species/Host	Mouse
Reactivity	Human, Mouse, Rat
Conjugation	Biotin
Tested Applications	ELISA, ICC, IF, IHC, WB
Immunogen	Human alpha synuclein monomer
Target	Alpha Synuclein
Preservatives	136.36mM Ethanolamine, and 9.55mM Sodium Bicarbonate in 95.45% PBS
Concentration	1 mg/ml
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Application notes	A 1:1000 dilution of SMC-530 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.
Isotype	IgG1
Clonality	Monoclonal
Clone Number	3C11
MW	30 kDa
Uniprot ID	P37840
NCBI	NP_000336.1

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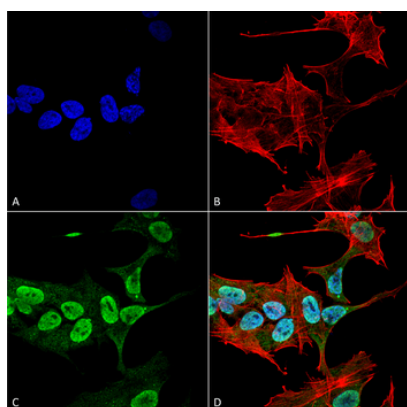
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Dilution Range

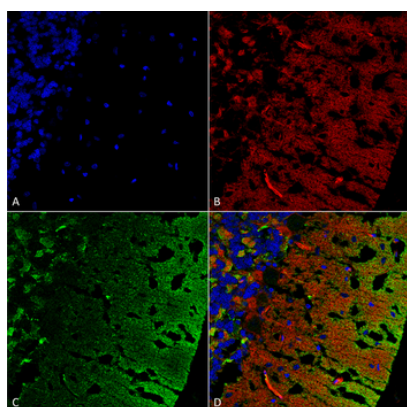
WB (1:1000); DB (1:1000); ICC/IF (1:100); ELISA (1:1000)

Expiration Date

12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Alpha Synuclein Monoclonal Antibody, Clone 3C11. Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Alpha Synuclein Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 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.



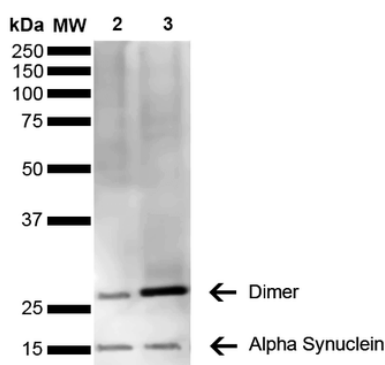
Immunohistochemistry analysis using Mouse Anti-Alpha Synuclein Monoclonal Antibody, Clone 3C11. Tissue: cerebellum. Species: Rat. Fixation: Formalin fixed, paraffin embedded. Primary Antibody: Mouse Anti-Alpha Synuclein Monoclonal Antibody at 1:25 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: Alexa Fluor 488. Counterstain: 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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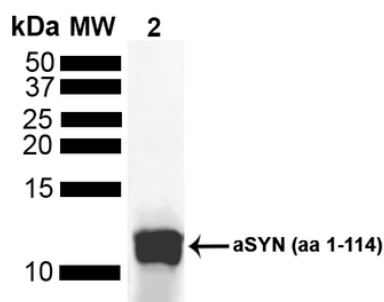
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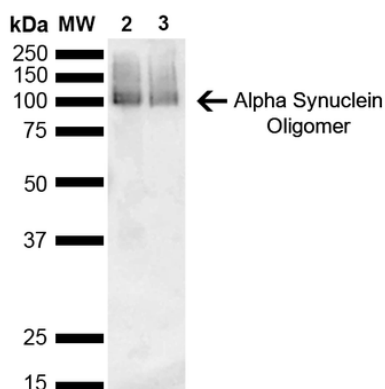
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Western Blot analysis of Human Brain showing detection of 14 kDa Alpha Synuclein protein using Mouse Anti-Alpha Synuclein Monoclonal Antibody, Clone 3C11. Lane 1: Molecular Weight Ladder (MW). Lane 2: Parkinson brain cell lysate. Lane 3: Human brain cell lysate. Load: 15 µg. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-Alpha Synuclein Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse HRP:IgG at 1:3000 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): 100 kDa (oligomer).



Western Blot analysis of Human Truncated Alpha Synuclein Protein showing detection of Alpha Synuclein protein using Mouse Anti-Alpha Synuclein Monoclonal Antibody, Clone 3C11. Lane 1: MW Ladder. Lane 2: hASYN aa 1-114 (5 uL). Load: 5 uL. Block: 5% Skim Milk Powder in TBST. Primary Antibody: Mouse Anti-Alpha Synuclein Monoclonal Antibody at 1:1000 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:4000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT.



Western Blot analysis of Mouse, Rat Brain showing detection of 14 kDa Alpha Synuclein protein using Mouse Anti-Alpha Synuclein Monoclonal Antibody, Clone 3C11. Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse brain cell lysate. Lane 3: Rat brain cell lysate. Load: 15 µg. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-Alpha Synuclein Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse HRP:IgG at 1:3000 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).

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