

# alpha Synuclein Recombinant Polyclonal Antibody (14HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	14HCLC
Conjugate	Unconjugated
Immunogen	Peptide corresponding to amino acids 117–125 of human alpha synuclein
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532568

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:500-1:5000	-
Immunofluorescence (IF)	1:500-1:5000	-
Western Blot (WB)	1:500-1:5000	-

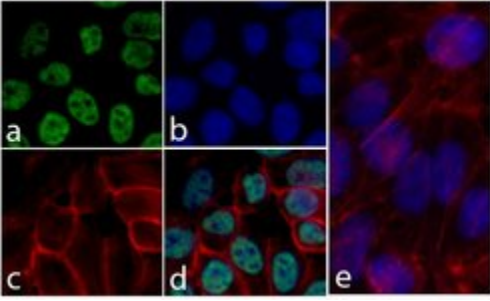
## Product Specific Information

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

## Product Images For alpha Synuclein Recombinant Polyclonal Antibody (14HCLC)

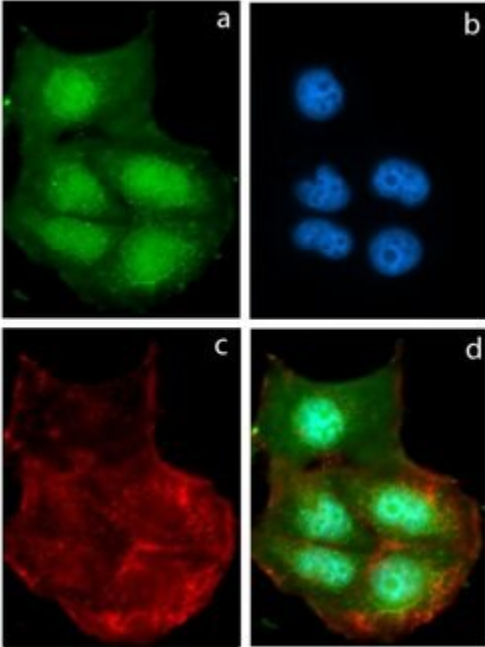
### alpha Synuclein Antibody (710110) in IF

Immunofluorescent analysis of SNCA was performed on 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with SNCA Recombinant Rabbit Polyclonal Antibody (Product # 710110) at a dilution of 1:1000 in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor® 488 Goat anti-Rabbit IgG secondary antibody (Product # A-11008) at a dilution of 1:400 for 30 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 594 phalloidin (Product # A12381). Panel d is a merged image showing cytoplasmic localization. Panel e is a control without primary antibody. The images were captured using a Nikon microscope at 20X magnification.



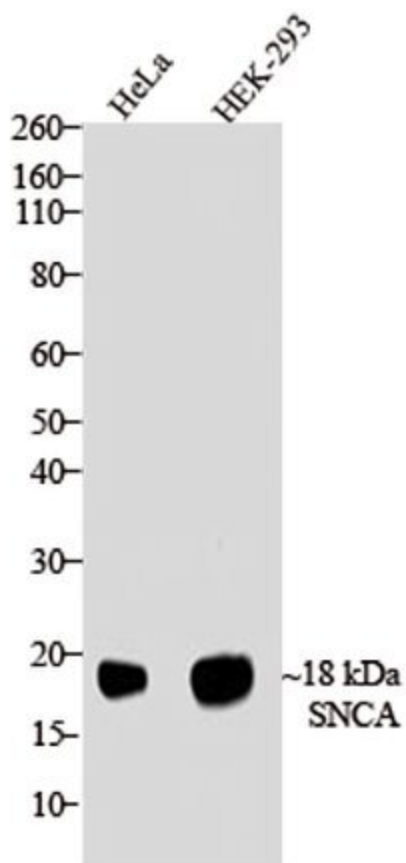
### alpha Synuclein Antibody (710110) in IF

Immunofluorescent analysis of alpha Synuclein in HeLa cells using an Alpha Synuclein Recombinant Rabbit Polyclonal Antibody (Product # 710110) followed by detection using an Alexa Fluor 488-conjugated Goat anti-Rabbit secondary antibody (green) (Image A). Nuclei were stained using DAPI (Image B) and actin stained with Alexa Fluor 594 phalloidin (red) (image C). Image D is a composite image showing cytoplasmic and nuclear localization of Alpha-Synuclein.



### alpha Synuclein Antibody (710110) in WB

Western blot analysis of SNCA was performed by loading 30 µg of HeLa and HEK-293 cell lysates using Novex®NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (Product # LC5800), and iBlot® Dry Blotting System (Product # IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5% skim milk for 1 hour at room temperature. SNCA was detected at ~18 kDa using SNCA Recombinant Rabbit Polyclonal Antibody (Product # 710110) at a 1:1000 dilution in 2.5% skim milk at 4°C overnight on a rocking platform. Detection was performed using an HRP-conjugated Goat anti-Rabbit secondary antibody (Product # G-21234) at a 1:5000 dilution and chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



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