



alpha Synuclein Polyclonal Antibody

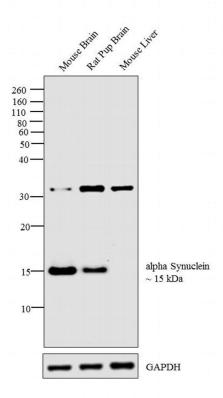
Product Details		
Size	100 μL	
Species Reactivity	Human, Mouse, Non-human primate, Rat	
Host/Isotype	Rabbit / IgG	
Class	Polyclonal	
Туре	Antibody	
Conjugate	Unconjugated	
Immunogen	Synthetic peptide corresponding to the carboxy-terminal sequence of human a-synuclein	
Form	Liquid	
Concentration	60 μg/mL	
Purification	Antigen affinity chromatography	
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100μg/mL BSA, 50% glycerol	
Contains	no preservative	
Storage conditions	-20°C	
RRID	AB_10984762	

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunocytochemistry (ICC/IF)	1:250	-
Immunoprecipitation (IP)	1:50	-

Product Specific Information

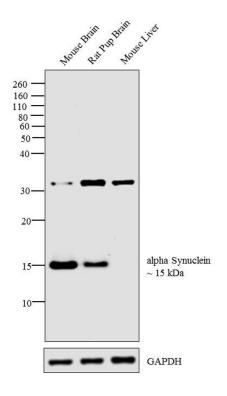
It is not recommended to aliquot this antibody.

Product Images For alpha Synuclein Polyclonal Antibody



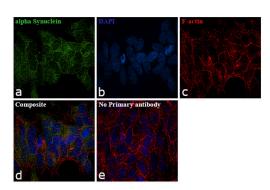
alpha Synuclein Antibody (PA5-17820) in WB

Western blot analysis was performed on tissue extracts (30 μg lysate) of Mouse Brain (Lane 1), Rat Pup Brain (Lane 2) and Mouse Liver (Lane 3). The blot was probed with Anti-alpha Synuclein Polyclonal Antibody (Product # PA5-17820, 1: 1000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) SuperclonalTM Secondary Antibody, HRP conjugate (Product # A27036, 0.25 μg/mL, 1:4000 dilution). A 15 kDa band corresponding to alpha Synuclein was detected in Mouse Brain, Rat Pup Brain and not in Mouse Liver which is reported negative for alpha Synuclein expression. An uncharacterized band was observed at ~32 kDa in all the tissues tested.



alpha Synuclein Antibody (PA5-17820)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Expression of alpha Synuclein was observed specifically in Mouse Brain and Rat Pup Brain when compared to Mouse Liver using Anti-alpha Synuclein Polyclonal Antibody (Product # PA5-17820) in Western Blot. {RE}



alpha Synuclein Antibody (PA5-17820) in ICC/IF

Immunofluorescence analysis of alpha synuclein was performed using 70% confluent log phase SH-SY5Y cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with alpha Synuclein Polyclonal Antibody (Product # PA5-17820) at 1:250 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytosolic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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