

#2628 Store at -20C

## $\alpha$ -Synuclein Antibody



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**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> WB, IF-F	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 18	<b>Source:</b> Rabbit	<b>UniProt ID:</b> #P37840	<b>Entrez-Gene Id:</b> 6622
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<b>Product Usage Information</b>	<b>Application</b> Western Blotting Immunofluorescence (Frozen)	<b>Dilution</b> 1:1000 1:100 - 1:200
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
<b>Specificity / Sensitivity</b>	$\alpha$ -Synuclein Antibody detects endogenous levels of total synuclein protein. Non-specific labeling of cytoplasm in human cells and non-specific labeling of the mucosae in fixed frozen mouse colon may be observed by immunofluorescence.	
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the carboxy terminus of mouse synuclein. Antibodies are purified by peptide affinity chromatography.	
<b>Background</b>	$\alpha$ -Synuclein is a protein of 140-amino acids expressed abundantly in the brain. $\alpha$ -Synuclein is also the main component of pathogenic Lewy bodies and Lewy neurites. Research studies have shown that mutations of the $\alpha$ -Synuclein gene are linked to Parkinson's disease (1).	
<b>Background References</b>	1. Goldberg, M.S. and Lansbury Jr., P.T. (2000) <i>Nat. Cell Biol.</i> 2, 115-119.	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
<b>Applications Key</b>	<b>WB:</b> Western Blotting <b>IF-F:</b> Immunofluorescence (Frozen)
<b>Cross-Reactivity Key</b>	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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