

## Product datasheet for **TA388991**

### alpha Synuclein (SNCA) Mouse Monoclonal Antibody [Clone ID: 2A7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2A7
Applications:	ICC, IHC, WB
Recommended Dilution:	<b>WB:</b> 1:1000 <b>WB Brain:</b> 1:1000 <b>ICC:</b> 1:1000
Reactivity:	Bovine, Human, Mouse, Pig, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human alpha synuclein expressed in E. Coli.
Specificity:	Specific for the endogenous levels of the ~15 kDa alpha synuclein protein.
Formulation:	PBS + 50% glycerol and 5 mm Na <sub>3</sub>
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	15
Gene Name:	synuclein alpha
Database Link:	<a href="#">Entrez Gene 6622 Human P37840</a>



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<b>Background:</b>	Alpha-synuclein is a presynaptic neuronal protein that is thought to be involved in the formation of SNARE complexes. Most significantly, aggregated alpha-synuclein is one of the major components found in the Lewy bodies that occur in Parkinson's disease (PD) and other neurodegenerative disorders (Okochi et al., 2000). Early onset Parkinson's disease may be caused by a duplication or triplication of one of the alpha synuclein genes (ChartierHarlin MC et al., 2004 and Singleton, AB et al., 2005). Alpha-synuclein is also found in the Lewy bodies of patients with diffuse Lewy body disease and inclusions in glial cells in the brains of patients with multiple system atrophy (MSA) and amyotrophic lateral sclerosis (ALS).
<b>Synonyms:</b>	alpha-synuclein; MGC110988; NACP; OTTHUMP00000161559; OTTHUMP00000161561; PARK1; PARK4; PD1
<b>Note:</b>	Protein G purified.