

Anti-Gamma Synuclein Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Dog)
Molecular Weight:	Theoretical: 13.5 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SYUG) Polyclonal Antibody, Unconjugated (TMAB-06323) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human gamma Synuclein
Antigen Species:	Human
Gene ID:	6623
Uniprot ID:	O76070

Research Background

The synuclein family consists of 3 highly conserved proteins of between 120 and 140 amino acids that share substantial sequence homology. Each has a series of loosely repeated motifs throughout the first 93 amino acids and an acid region toward the C terminal. The proteins are heat stable and relatively soluble. Three synucleins have been identified and termed alpha, beta and gamma synuclein and are located in the neuronal cytosol and enriched in presynaptic terminals, gamma synuclein is also expressed in many other non-neuronal tissues. Although the precise function of the synucleins are unknown a role in membrane plasticity has been suggested. The synucleins have been implicated in a number of diseases. It has been reported that in breast cancer increased expression of gamma synuclein correlates with disease progression.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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