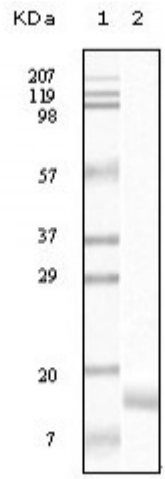
Anti-Synuclein-gamma antibody



Description	Mouse monoclonal to Synuclein-gamma.

Model	STJ98409
Host	Mouse
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Purified recombinant fragment of Synuclein-gamma expressed in E. Coli.
Gene ID	6623
Gene Symbol	SNCG
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000ELISA 1:10000
Specificity	Synuclein-gamma Monoclonal Antibody detects endogenous levels of Synuclein-gamma protein.
Tissue Specificity	Highly expressed in brain, particularly in the substantia nigra. Also expressed in the corpus callosum, heart, skeletal muscle, ovary, testis, colon and spleen. Weak expression in pancreas, kidney and lung.
Purification	Affinity purification
Clone ID	1H10D2
Note	For Research Use Only (RUO).
Protein Name	Gamma-synuclein Breast cancer-specific gene 1 protein Persyn Synoretin SR
Clonality	Monoclonal
Conjugation	Unconjugated

Isotype	IgG1
Formulation	Purified antibody in PBS containing 0.03% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11141OMIM:602998
Alternative Names	Gamma-synuclein Breast cancer-specific gene 1 protein Persyn Synoretin SR
Function	Plays a role in neurofilament network integrity. May be involved in modulating axonal architecture during development and in the adult. In vitro, increases the susceptibility of neurofilament-H to calcium-dependent proteases . May also function in modulating the keratin network in skin. Activates the MAPK and Elk-1 signal transduction pathway .
Cellular Localization	Cytoplasm, perinuclear region Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Cytoplasm, cytoskeleton, spindle. Associated with centrosomes in several interphase cells. In mitotic cells, localized to the poles of the spindle.
Post-translational Modifications	Phosphorylated. Phosphorylation by GRK5 appears to occur on residues distinct from the residue phosphorylated by other kinases.