



Synuclein-γ Monoclonal Antibody

Catalog No	YP-Ab-12619
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	SNCG
Protein Name	Gamma-synuclein
Immunogen	Purified recombinant fragment of Synuclein-γ expressed in E. Coli.
Specificity	Synuclein-γ Monoclonal Antibody detects endogenous levels of Synuclein-γ protein.
Formulation	Purified antibody in PBS containing 0.03% sodium azide.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SNCG; BCSG1; PERSYN; PRSN; Gamma-synuclein; Breast cancer-specific gene 1 protein; Persyn; Synoretin; SR
Observed Band	
Cell Pathway	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.
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.
Function	disease:Brain iron accumulation type 1 (NBIA1, also called Hallervorden-Spatz syndrome), a rare neuroaxonal dystrophy, is histologically characterized by axonal spheroids, iron deposition, Lewy body (LB)-like intraneuronal inclusions, glial inclusions and neurofibrillary tangles. SNCG is found in spheroids but not in inclusions.,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 (By similarity). May also function in modulating the keratin network in skin. Activates the MAPK and Elk-1 signal transduction pathway.,PTM:Phosphorylated. Phosphorylation by GRK5 appears to occur on residues distinct from the residue phosphorylated by other kinases.,similarity:Belongs to the synuclein family.,subcellular location:As



Background

This gene encodes a member of the synuclein family of proteins which are believed to be involved in the pathogenesis of neurodegenerative diseases. Mutations in this gene have also been associated with breast tumor development. [provided by RefSeq, Jan 2010],

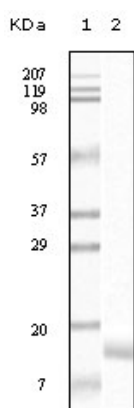
matters needing attention

Avoid repeated freezing and thawing!

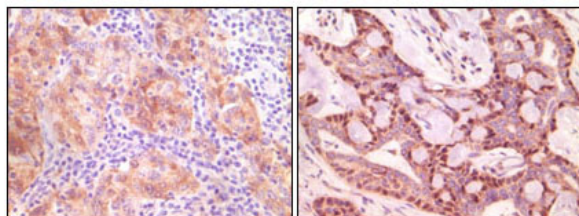
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using Synuclein- γ Monoclonal Antibody against truncated Synuclein- γ recombinant protein.



Immunohistochemistry analysis of paraffin-embedded human ovary carcinoma (left) and breast carcinoma (right), showing cytoplasmic(ovary carcinoma) localization, cytoplasmic and nuclear (breast carcinoma) localization with DAB staining using Synuclein- γ Mo