



Synuclein-γ Polyclonal Antibody

Catalog No	YP-Ab-12828
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	SNCG
Immunogen	The antiserum was produced against synthesized peptide derived from human Synuclein gamma. AA range:78-127
Specificity	Synuclein-γ Polyclonal Antibody detects endogenous levels of Synuclein-γ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SNCG;Breast cancer-specific gene 1 protein;Gamma synuclein;Gamma-synuclein;Synuclein-γ;BCSG1;PERSYN;PRSN;Synoretin;SR
Observed Band	20kD
Calculated Molecular Weight	20kD
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],

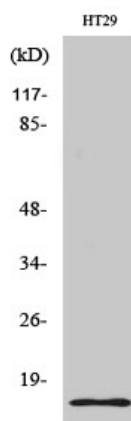
matters needing attention

Avoid repeated freezing and thawing!

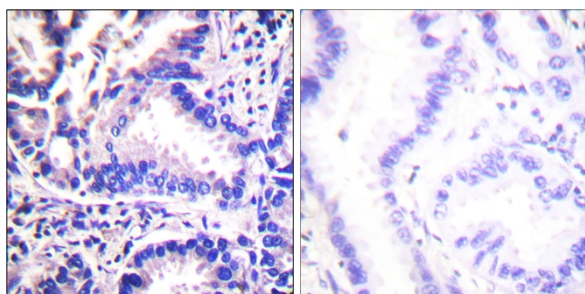
Usage suggestions

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

Products Images



Western Blot analysis of various cells using Synuclein-γ Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Synuclein gamma Antibody. The picture on the right is blocked with the synthesized peptide.

Western blot analysis of lysates from HT29 cells, using Synuclein gamma Antibody. The lane on the right is blocked with the synthesized peptide.