

Recombinant Anti-Gamma-synuclein Rabbit mAb

Catalog # AP95104

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	O76070
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	13331

Additional Information

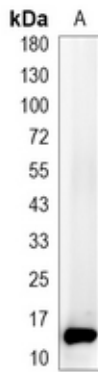
Gene ID	6623
Other Names	BCSG1; PERSYN; PRSN; Gamma-synuclein; Breast cancer-specific gene 1 protein; Persyn; Synoretin; SR
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Gamma-synuclein protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

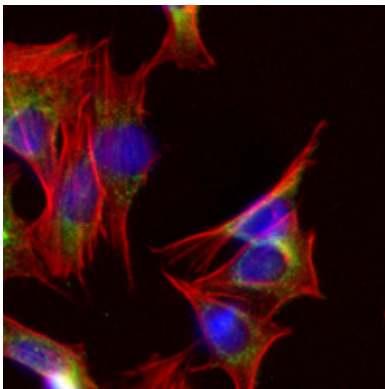
Name	SNCG
Synonyms	BCSG1, PERSYN, PRSN
Function	Plays a role in neurofilament network integrity. May be involved in modulating axonal architecture during development and in the adult. In vitro, increases the susceptibility of neurofilament-H to calcium-dependent proteases (By similarity). May also function in modulating the keratin network in skin. Activates the MAPK and Elk-1 signal transduction pathway (By similarity).
Cellular Location	Cytoplasm, perinuclear region. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Associated with centrosomes in several interphase cells. In mitotic cells, localized to the poles of the spindle
Tissue Location	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

Images



Western blot analysis of Gamma-synuclein expression in human fetal brain (A) whole cell lysates. (Predicted band size: 13 kD; Observed band size: 16 kD)



Immunofluorescent analysis of Gamma-synuclein staining in HT29 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.