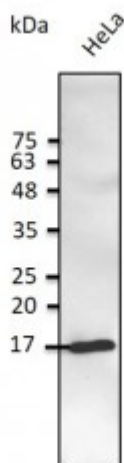


Anti-SNCG antibody



Description

Goat polyclonal antibody to SNCG. Gamma-Synuclein plays a role in neurofilament network integrity. It might be involved in modulating axonal architecture and the keratin network in skin during development and in the adult.

Model	STJ140141
Host	Goat
Reactivity	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
Applications	WB
Immunogen	Recombinant peptide derived from within residues 80 aa to the C-terminus of human SNCG produced in E. coli.
Immunogen Region	C-Term
Gene ID	6623
Gene Symbol	SNCG
Dilution range	Western blot 1:500-1:5,000 Immunofluorescence ND Immunohistochemistry (paraffin) ND Immunohistochemistry (frozen) ND
Specificity	Detects endogenous levels of SNCG by Western blot. This Ab is specific for SNCG and does not recognizes SNCA and SNCB proteins.
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	This antibody is epitope-affinity purified from goat antiserum.

Note	For research use only (RUO).
Protein Name	Gamma-synuclein (Breast cancer-specific gene 1 protein) (Persyn) (Synoretin) (SR)
Molecular Weight	14 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	3 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:11141 OMIM: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.