

Product datasheet

Anti-gamma Synuclein/SNCG antibody ab55424

★★★★★ [9 Abreviews](#) [22 References](#) [2 Images](#)

Overview

Product name	Anti-gamma Synuclein/SNCG antibody
Description	Rabbit polyclonal to gamma Synuclein/SNCG
Host species	Rabbit
Tested applications	Suitable for: ELISA, ICC/IF, IHC-Fr, WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS</p> <p>Without Mg+2 and Ca+2</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab55424 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
IHC-Fr	★★★★★ (4)	Use at an assay dependent concentration.
WB	★★★★★ (3)	1/500 - 1/1000. Detects a band of approximately 13 kDa (predicted molecular weight: 13 kDa).
IHC-P		Use at an assay dependent concentration.

Target

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.

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.

Sequence similarities

Belongs to the synuclein family.

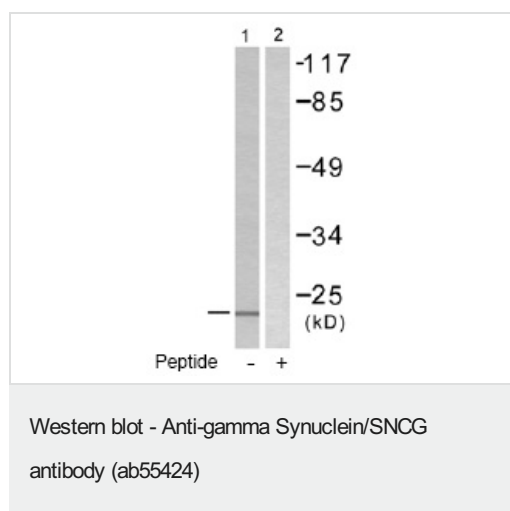
Post-translational modifications

Phosphorylated. Phosphorylation by GRK5 appears to occur on residues distinct from the residue phosphorylated by other kinases.

Cellular localization

Cytoplasm > perinuclear region. Cytoplasm > cytoskeleton > centrosome. Cytoplasm > cytoskeleton > spindle. Associated with centrosomes in several interphase cells. In mitotic cells, localized to the poles of the spindle.

Images



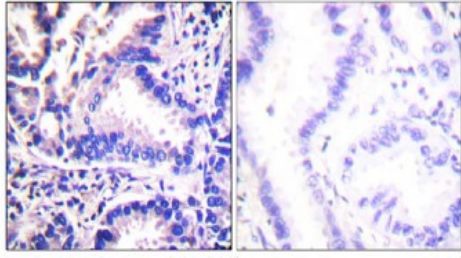
All lanes : Anti-gamma Synuclein/SNCG antibody (ab55424) at 1/500 dilution

Lane 1 : HT29 cell extract, without immunizing peptide

Lane 2 : HT29 cell extract, with immunizing peptide

Predicted band size: 13 kDa

Observed band size: 13 kDa



Peptide - +

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-gamma Synuclein/SNCG antibody (ab55424)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using ab55424 (1/50 dilution), in the presence or absence of the immunizing peptide.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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