Datasheet for ABIN969490

anti-SNCG antibody

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Overview

Quantity:	100 µL
Target:	SNCG
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	SNCG (breast cancer-specific protein 1) Antibody
Immunogen:	Purified recombinant fragment of SNCG expressed in E. Coli.
Clone:	1H10D2
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	SNCG
Alternative Name:	SNCG (breast cancer-specific protein 1) (SNCG Products)
Background:	Description: SNCG(also designated gamma-synuclein or breast cancer-specific protein 1),with 127-amino acid protein(about 14 kDa), belongs to the synuclein family, which also includes alpha- and beta- synuclein.Three synucleins are located in the neuronal cytosol and enriched in presynaptic terminals,while SNCG is also expressed in many other non-neuronal tissues. SNCG

Target Details

	is abnormally expressed in a high percentage of tumor tissues of diversified cancer types, including liver, esophagus, colon, gastric, lung, prostate, cervical, and breast cancer, but rarely expressed in tumor-matched nonneoplastic adjacent tissues. High levels of SNCG have been identified in advanced breast carcinomas suggesting a correlation between overexpression of SNCG and breast tumor development. Aliases: SR, BCSG1
Gene ID:	6623
HGNC:	6623
UniProt:	O76070

Application Details

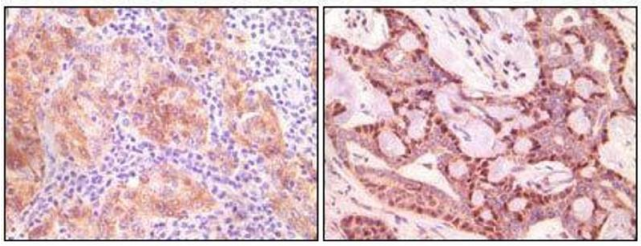
Application Notes:	ELISA: 1/10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

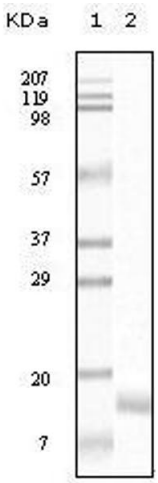
Publications

Product cited in:	Surgucheva, McMahon, Surguchov: "gamma-synuclein has a dynamic intracellular localization." in: **Cell motility and the cytoskeleton**, Vol. 63, Issue 8, pp. 447-58, (2006) (PubMed). Brown, Lasek: "Polylysine cross-links axoplasmic neurofilaments into tight bundles." in: **Cell motility and the cytoskeleton**, Vol. 31, Issue 1, pp. 9-21, (1995) (PubMed).



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human ovary carcinoma (left) and breast carcinoma (right), showing cytoplasmic(ovary carcinoma) localization, cytoplasmic and nuclear (breast carcinoma) localization using SNCG mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using SNCG mouse mAb against truncated SNCG recombinant protein.