

Datasheet for ABIN544559

**anti-NCS1 antibody (Internal Region)**

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## Overview

Quantity:	400 µL
Target:	NCS1
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCS1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of FREQ.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to internal region of human FREQ.
Cross-Reactivity:	Human

## Target Details

Target:	NCS1
Alternative Name:	NCS1 ( <a href="#">NCS1 Products</a> )
Gene ID:	23413

## Application Details

Application Notes:	Flow Cytometry (1:10-50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
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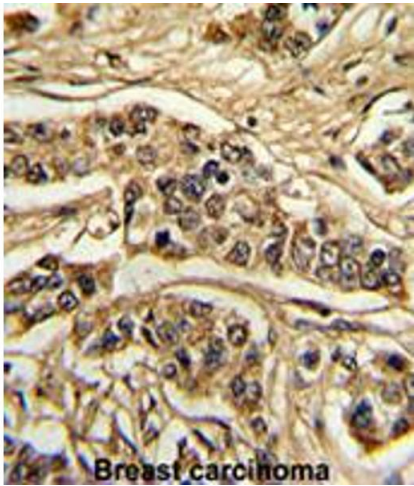
Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	In PBS (0.09 % 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. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

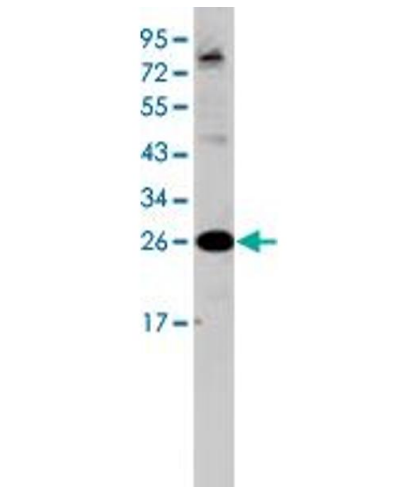
## Publications

Product cited in:	Koh, Undie, Kabbani, Levenson, Goldman-Rakic, Lidow: "Up-regulation of neuronal calcium sensor-1 (NCS-1) in the prefrontal cortex of schizophrenic and bipolar patients." in: <b>Proceedings of the National Academy of Sciences of the United States of America</b> , Vol. 100, Issue 1, pp. 313-7, (2003) ( <a href="#">PubMed</a> ).
	Burgoyne, Weiss: "The neuronal calcium sensor family of Ca <sup>2+</sup> -binding proteins." in: <b>The Biochemical journal</b> , Vol. 353, Issue Pt 1, pp. 1-12, (2001) ( <a href="#">PubMed</a> ).
	Bourne, Dannenberg, Pollmann, Marchot, Pongs: "Immunocytochemical localization and crystal structure of human frequenin (neuronal calcium sensor 1)." in: <b>The Journal of biological chemistry</b> , Vol. 276, Issue 15, pp. 11949-55, (2001) ( <a href="#">PubMed</a> ).



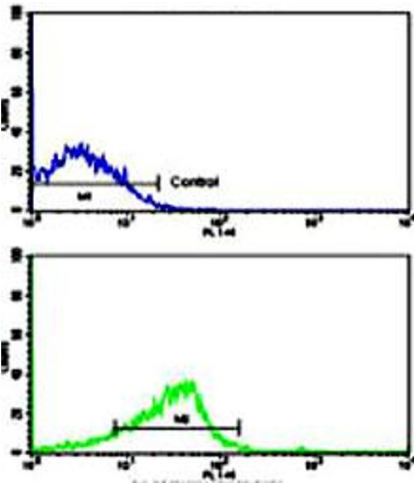
Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin-embedded human breast carcinoma reacted with FREQ polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

**Image 2.** Western blot analysis of MCF-7 cell lysate (35 ug/lane) with FREQ polyclonal antibody .



Flow Cytometry

**Image 3.** Flow cytometric analysis of ZR-75-1 cells using FREQ polyclonal antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.