



Catalog: OM215089

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# NCS1 Antibody (Center)

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☐ 100ug

## Product profile

Product name	NCS1 Antibody (Center)
Antibody Type	Primary Antibodies

## Key Feature

Clonality	Polyclonal
Isotype	Ig
Host Species	Rabbit
Tested Applications	WB ,IHC ,FC
Species Reactivity	Human
Concentration	1 mg/ml
Purification	

## Target Information

Gene Synonyms	FLUP, FREQ
Alternative Names	NCS1; FLUP; FREQ; Neuronal calcium sensor 1; Frequenin homolog; Frequenin-like protein; Frequenin-like ubiquitous protein
Molecular Weight(MW)	21879 Da
Function	Neuronal calcium sensor, regulator of G protein-coupled receptor phosphorylation in a calcium dependent manner. Directly regulates GRK1 (RHOK), but not GRK2 to GRK5. Can substitute for calmodulin (By similarity). Stimulates PI4KB kinase activity (By similarity). Involved in long-term synaptic plasticity through its interaction with PICK1 (By similarity). May also play a role in neuron differentiation through inhibition of the activity of N- type voltage-gated calcium channel (By similarity)
Tissue Specificity	This NCS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124~153 amino acids from the center region of human NCS1.
Cellular Localization	Golgi apparatus, Golgi stack membrane; Peripheral membrane protein. Cell junction, synapse, postsynaptic cell membrane, postsynaptic density (By similarity). Cytoplasm, perinuclear region, Cell membrane, Dendritic

c cell membrane, postsynaptic density (by similarity). Cytoplasm, perinuclear region. Cell membrane; Peripheral membrane protein Note=Associated with Golgi stacks. Post-synaptic densities of dendrites, and in the pre-synaptic nerve terminal at neuromuscular junctions

## Database Links

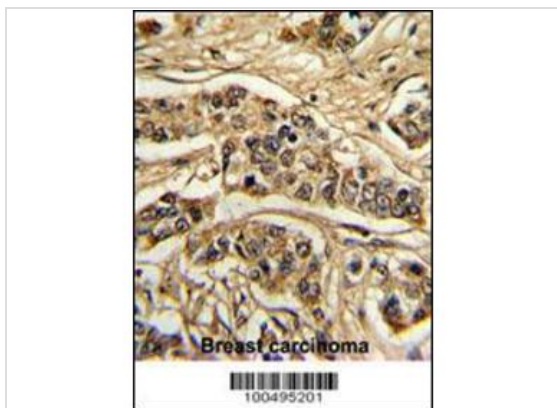
Entrez Gene	23413
Nucleotide Accession	NP_055101.2

## Application



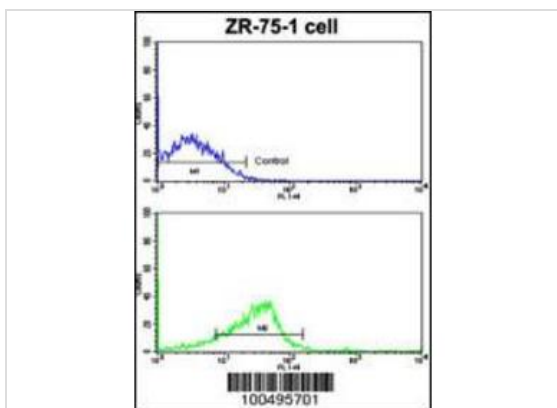
### Application

Western blot analysis of NCS1 Antibody (Center) (Cat # AP1551c) in MCF-7 cell line lysates (35ug/lane). NCS1 (arrow) was detected using the purified Pab.



### Application

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with NCS1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



### Application

Flow cytometric analysis of ZR-75-1 cells using NCS1 Antibody (Center) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Application Notes      WB~~1:50~100 IHC~~1:50~100 FC~~1:10~50:

## Additional Information

Form      Liquid

<b>Storage Instructions</b>	For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Storage Buffer</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
<b>Note</b>	The product is for research use only, not for use in diagnostic or therapeutic procedures.

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