

## Rabbit FREQ Polyclonal Antibody | anti-NCS1 antibody

FREQ Antibody (N-term)

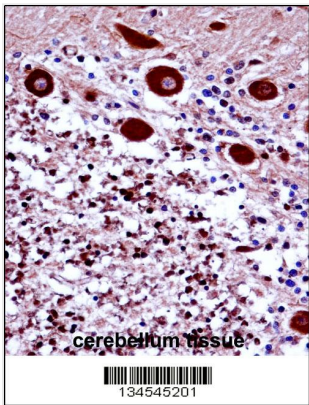
| CATALOG # | HOST   | REACTIVITY                                                         | APPLICATIONS                              |
|-----------|--------|--------------------------------------------------------------------|-------------------------------------------|
| AAA288216 | Rabbit | Human (Predicted Reactivity: Bovine, Chicken, Mouse, Rat, Xenopus) | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

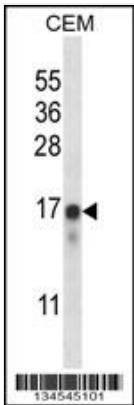
FREQ; Polyclonal Antibody; FREQ Antibody (N-term); Neuronal calcium sensor 1; NCS-1; Frequenin homolog; Frequenin-like protein; Frequenin-like ubiquitous protein; NCS1; FLUP; anti-NCS1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human (Predicted Reactivity: Bovine, Chicken, Mouse, Rat, Xenopus)                                                                                                           |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This FREQ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human FREQ.            |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                             | 1-30                                                                                                                                                                         |
| Sequence Length                                | 172                                                                                                                                                                          |
| Applicable Applications for anti-NCS1 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**IHC (Immunohiostchemistry)**  
FREQ Antibody (N-term) (AAA288216)immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of FREQ Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
FREQ Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the FREQ antibody detected the FREQ protein (arrow).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NCS1 antibody | This gene is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. The protein encoded by this gene regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. The protein is associated with secretory granules and modulates synaptic transmission and synaptic plasticity. Multiple transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-NCS1 antibody   | Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| References                                         | Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :<br>Handley, M.T., et al. PLoS ONE 5 (5), E10534 (2010) :<br>Torres, K.C., et al. Prog. Neuropsychopharmacol. Biol. Psychiatry 33(2):229-234(2009)<br>Szafranski, K., et al. Genome Biol. 8 (8), R154 (2007) :<br>Kapp-Barnea, Y., et al. Mol. Biol. Cell 17(9):4130-4141(2006)                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 192447423                           |
| NCBI GeneID                      | 23413                               |
| NCBI Accession #                 | NP_001122298.1; NP_055101.2         |
| NCBI GenBank Nucleotide #        | NM_001128826.1                      |
| UniProt Accession #              | P62166; P36610; Q9UK26; E9PAY3      |
| Molecular Weight                 | 21879                               |
| NCBI Official Full Name          | neuronal calcium sensor 1 isoform 2 |
| NCBI Official Synonym Full Names | neuronal calcium sensor 1           |
| NCBI Official Symbol             | NCS1                                |
| NCBI Official Synonym Symbols    | FLUP; FREQ                          |
| NCBI Protein Information         | neuronal calcium sensor 1           |

|                            |                           |
|----------------------------|---------------------------|
| UniProt Protein Name       | Neuronal calcium sensor 1 |
| UniProt Gene Name          | <b>NCS1</b>               |
| UniProt Synonym Gene Names | FLUP; FREQ; NCS-1         |
| UniProt Entry Name         | NCS1_HUMAN                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/freq-antibody-immunohistochemistry-western-blot-elisa/288216>