

Product datasheet for **AP11588PU-N**

Frequenin (NCS1) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | FC, IHC, WB |
| Recommended Dilution: | ELISA: 1/1,000. Western blot: 1/1,000. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/50-1/100. |
| Reactivity: | Bovine, Chicken, Human, Mouse, Rat, Xenopus |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | KLH conjugated synthetic peptide between 118-144 amino acids from the Central region of Human NCS1. |
| Specificity: | This antibody detects NCS1 at center. |
| Formulation: | PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) Sodium Azide |
| Concentration: | lot specific |
| Purification: | Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 21747 Da |
| Gene Name: | neuronal calcium sensor 1 |
| Database Link: | Entrez Gene 23413 Human P62166 |



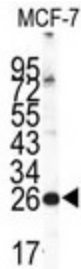
[View online »](#)

Background:

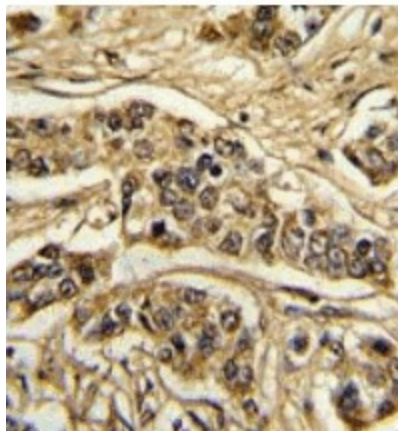
NCS1 is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. NCS1 regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. This protein is thought to be associated with secretory granules and may be involved in the regulation of neurosecretion.

Synonyms:

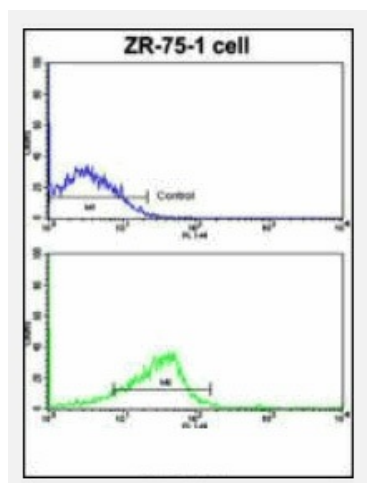
NCS-1, FREQ, FLUP

Product images:


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



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.



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.