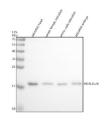


Zebrafish Ncald Antibody / Isoforms a & b / Neurocalcin-delta A/B (RZ1005)

| Catalog No. | Formulation | Size |
|-------------|---|--------|
| RZ1005 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

| Availability | 2-3 weeks |
|--------------------|---|
| Species Reactivity | Zebrafish |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit Ig |
| Purity | Antigen affinity chromatography |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose |
| UniProt | A9JTH1, Q6AXL4 |
| Localization | Cytoplasm, Nucleus |
| Applications | Western Blot : 0.5-1 ug/ml |
| Limitations | This Zebrafish Ncald antibody is available for research use only. |



Western blot analysis of Ncalda/b protein using Ncald antibody and 1) zebrafish head 2) whole female zebrafish, 3) whole male zebrafish and 4) zebrafish embryo tissue lysate. Expected molecular weight ~22 kDa.

Description

This gene encodes a member of the neuronal calcium sensor (NCS) family of calcium-binding proteins. The protein contains an N-terminal myristoylation signal and four EF-hand calcium binding loops. The protein is cytosolic at resting calcium levels; however, elevated intracellular calcium levels induce a conformational change that exposes the myristoyl group, resulting in protein association with membranes and partial co-localization with the perinuclear trans-golgi network. The protein is thought to be a regulator of G protein-coupled receptor signal transduction. Several alternatively spliced variants of this gene have been determined, all of which encode the same protein; additional variants may exist but their biological validity has not been determined.

Application Notes

Optimal dilution of the Zebrafish Ncald antibody should be determined by the researcher.

Immunogen

An E.coli-derived zebrafish Ncalda/b recombinant protein (amino acids G2-F193) was used as the immunogen for the Zebrafish Ncald antibody. This antibody will detect the a and b isoforms.

Storage

After reconstitution, the Zebrafish Ncald antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.