

[Go to Product page](#)

Datasheet for ABIN1398651

anti-ZC3HC1 antibody (pSer354) (Alexa Fluor 350)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | ZC3HC1 |
| Binding Specificity: | pSer354 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ZC3HC1 antibody is conjugated to Alexa Fluor 350 |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic phosphopeptide derived from human NIPA around the phosphorylation site of Ser354 |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Predicted Reactivity: | Mouse,Rat,Dog,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | ZC3HC1 |
| Alternative Name: | NIPA (ZC3HC1 Products) |

Target Details

| | |
|-------------|---|
| Background: | <p>Synonyms: NIPA phospho S354, NIPA phospho Ser354, p-NIPA S354, p-NIPA Ser354, hNIPA, Nuclear interacting partner of ALK, Nuclear interacting partner of anaplastic lymphoma kinase, ZC3HC1, Zinc finger C3HC type containing 1, NIPA_HUMAN.</p> <p>Background: The regulated oscillation of protein expression is an essential mechanism of cell cycle control. The SCF class of E3 ubiquitin ligases is involved in this process by targeting cell cycle regulatory proteins for degradation by the proteasome, with the F-box subunit of the SCF specifically recruiting a given substrate to the SCF core. NIPA (nuclear interaction partner of ALK) is a human F-box-containing protein that defines an SCF-type E3 ligase (SCFNIPA) controlling mitotic entry. Assembly of this SCF complex is regulated by cell-cycle-dependent phosphorylation of NIPA, which restricts substrate ubiquitination activity to interphase. Nuclear cyclin B1 is a substrate of SCFNIPA. Inactivation of NIPA by RNAi results in nuclear accumulation of cyclin B1 in interphase, activation of cyclin B1-Cdk1 kinase activity, and premature mitotic entry. Thus, SCFNIPA-based ubiquitination may regulate S-phase completion and mitotic entry in the mammalian cell cycle.</p> |
| Gene ID: | 51530 |

Application Details

| | |
|--------------------|-----------------------|
| Application Notes: | IF(IHC-P) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| 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: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |