

Recombinant STUB1 Monoclonal Antibody

catalog number: **AN300116P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

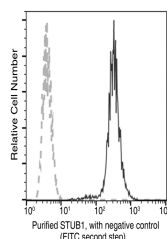
Description

| | |
|---------------------|---------------------------------|
| Reactivity | Human |
| Immunogen | Recombinant Human STUB1 protein |
| Host | Rabbit |
| Isotype | IgG |
| Clone | 9D2 |
| Purification | Protein A |
| Buffer | 0.2 µm filtered solution in PBS |

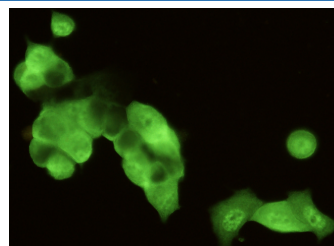
Applications

| Applications | Recommended Dilution |
|---------------|----------------------|
| WB | 1:500-1:2000 |
| FCM | 1:100-1:500 |
| ICC/IF | 1:100-1:500 |
| IP | 1-4 µL/mg of lysate |

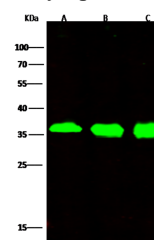
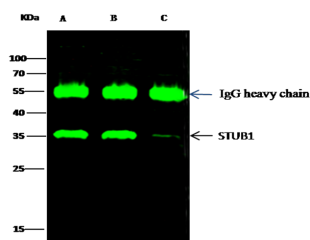
Data



Flow cytometric analysis of Human STUB1 expression on Hela cells. The cells were stained with purified anti-Human STUB1, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescence analysis of STUB1 in MCF7 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human STUB1 Monoclonal Antibody (dilution ratio 1:300) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm and Nucleus.



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Rev. V1.1

Immunoprecipitation analysis using 2 µL anti-STUB1 Monoclonal Antibody and 15 µl of 50 % Protein G agarose.

Western blot was performed from the immunoprecipitate using STUB1 Monoclonal Antibody at a dilution of 1:500.

Lane A: 0.5 mg Hela Whole Cell Lysate, Lane B: 0.5 mg 293T

Whole Cell Lysate, Lane C: 0.5 mg MCF-7 Whole Cell

Lysate

Observed-MW: 36 kDa

Calculated-MW: 35 kDa

Western Blot with STUB1 Monoclonal Antibody at dilution of 1:500. Lane A: HELA Whole Cell Lysate, Lane B: 293T

Whole Cell Lysate, Lane C: MCF7 Whole Cell Lysate,

Lysates/proteins at 30 µg per lane.

Observed-MW: 36 kDa

Calculated-MW: 35 kDa

Preparation & Storage

Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping

Ice bag

Background

This gene encodes a protein containing tetratricopeptide repeat and a U-box that functions as a ubiquitin ligase/cochaperone. The encoded protein binds to and ubiquitinates shock cognate 71 kDa protein (Hspα8) and DNA polymerase beta (Polβ), among other targets. Mutations in this gene cause spinocerebellar ataxia, autosomal recessive 16. Alternative splicing results in multiple transcript variants. There is a pseudogene for this gene on chromosome 2.