

## SUB1/PC4 Monoclonal Antibody

**catalog number: AN200145P**

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

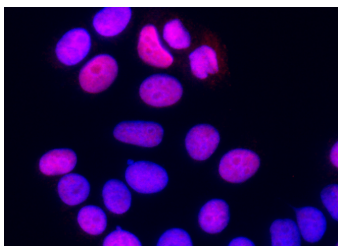
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human SUB1 / PC4 protein
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Clone</b>	14B2
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 μm filtered solution in PBS

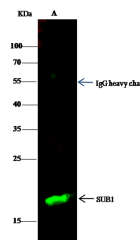
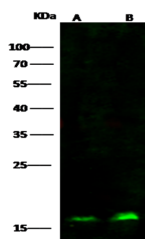
### Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>ICC/IF</b>	1:20-1:100
<b>IP</b>	1-4 μL/mg of lysate

### Data



Immunofluorescence analysis of Human SUB1 in MCF7 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human SUB1 Monoclonal Antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 594-conjugated Goat Anti-mouse IgG secondary antibody (red) and counterstained with DAPI for nuclear staining (blue). Positive staining was localized to nucleus.



Immunoprecipitation analysis using 2 μL anti-SUB1 mouse Monoclonal Antibody and 15 μL of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using SUB1 mouse Monoclonal Antibody at a dilution of 1:100. Lane A: 0.5 mg HepG2 Whole Cell Lysate

**Observed-MW: 17 kDa**

**Calculated-MW: 17 kDa**

### For Research Use Only

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Western Blot with SUB1 / PC4 Monoclonal Antibody at dilution of 1:500. Lane A: NIH-3T3 Whole Cell Lysate, Lane B: Raji Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

**Observed-MW:17 kDa**

**Calculated-MW:17 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

General coactivator that functions cooperatively with TAFs and mediates functional interactions between upstream activators and the general transcriptional machinery. May be involved in stabilizing the multiprotein transcription complex. Binds single-stranded DNA. Also binds, in vitro, non-specifically to double-stranded DNA (ds DNA).

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