

Datasheet for ABIN4886733
anti-SUB1 antibody (C-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	SUB1
Binding Specificity:	AA 96-127, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Activated RNA polymerase II transcriptional coactivator p15(SUB1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human PC4 (96-127aa MKPGRKGISLNPEQWSQLKEQISDIDDAVRKL), different from the related mouse and rat sequences by one amino acid.
Sequence:	MKPGRKGISL NPEQWSQLKE QISDIDDAVR KL
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Activated RNA polymerase II transcriptional coactivator p15(SUB1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: SUB1 homolog, transcriptional regulator</p> <p>Protein Name: Activated RNA polymerase II transcriptional coactivator p15</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: SUB1

Alternative Name: SUB1 ([SUB1 Products](#))

Background: Activated RNA polymerase II transcriptional coactivator p15, also known as positive cofactor 4 (PC4) or SUB1 homolog, is a protein that in humans is encoded by the SUB1 gene. This gene is mapped to 5p13.3. The transcriptional cofactor PC4 is an ancient single-strand DNA (ssDNA)-binding protein that has a homologue in bacteriophage T5 where it is likely the elusive replicative ssDNA-binding protein. The recombinant PC4 is shown to function identically to the native protein through its interaction with TAFs.

Synonyms: p14 | P15 | PC4 | PC4 LSB | Positive cofactor 4 | RPO2TC1 | Sub1 | P53999

Gene ID: 10923

UniProt: [P53999](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

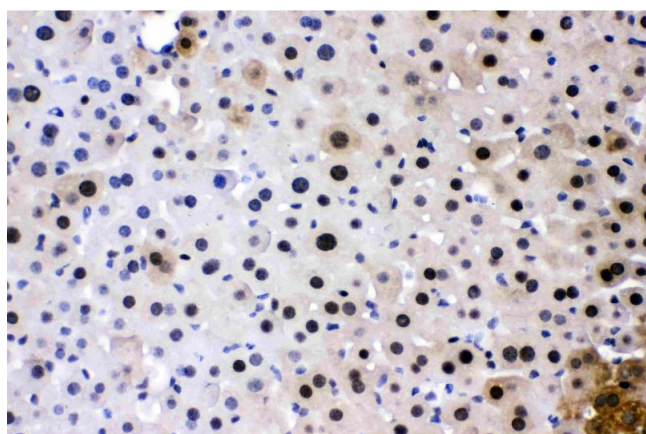
Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Handling

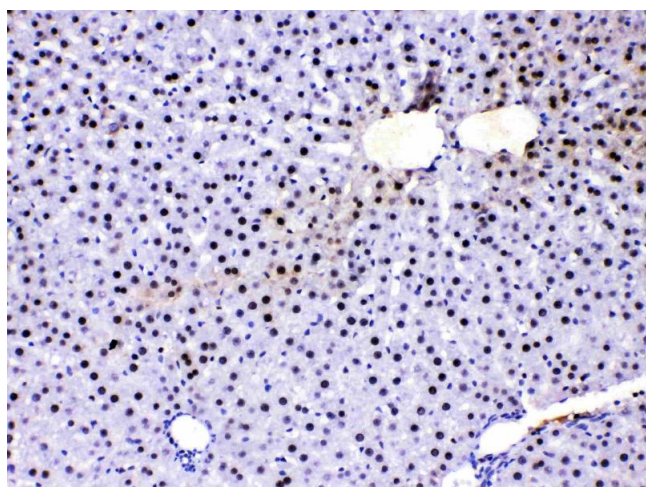
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



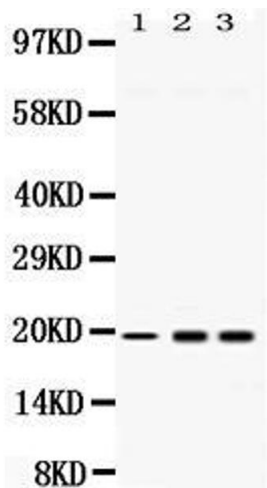
Immunohistochemistry

Image 1. PC4 was detected in paraffin-embedded sections of mouse liver tissues using rabbit anti- PC4 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. PC4 was detected in paraffin-embedded sections of rat liver tissues using rabbit anti- PC4 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 3. Western blot analysis of PC4 expression in rat liver extract (Lane 1), HELA whole cell lysates (Lane 2) and U2OS whole cell lysates (Lane 3). PC4 at 19KD was detected using rabbit anti- PC4 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN4886733.