

Rabbit PC4 Polyclonal Antibody | anti-SUB1 antibody

Anti-PC4 Antibody

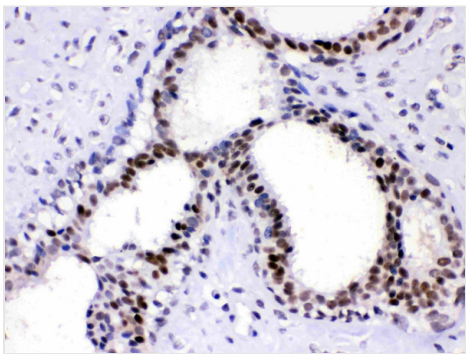
CATALOG # AAA46847	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

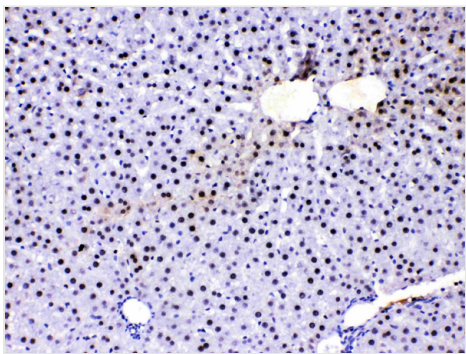
PC4; Polyclonal Antibody; Anti-PC4 Antibody; p14; P15; PC4 LSB; Positive cofactor 4; RPO2TC1; Sub1; P53999; Activated RNA polymerase II transcriptional coactivator p15; SUB1 homolog; transcriptional regulator; anti-SUB1 antibody

PRODUCT SPECIFICATIONS

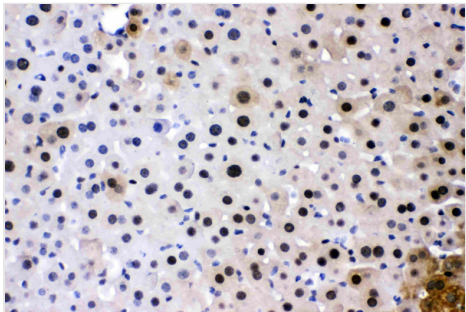
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	127
Applicable Applications for anti-SUB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
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.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



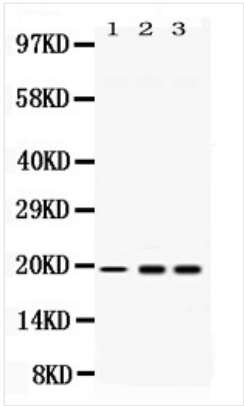
IHC (Immunohistochemistry)
PC4 was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- PC4 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
PC4 was detected in paraffin-embedded sections of rat liver tissues using rabbit anti- PC4 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



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



WB (Western Blot)
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 at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-SUB1 antibody	Rabbit IgG polyclonal antibody for Activated RNA polymerase II transcriptional coactivator p15(SUB1) detection. 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.
References	1. "Entrez Gene SUB1: SUB1 homolog (S. cerevisiae)". 2. Kretzschmar M, Kaiser K, Lottspeich F, Meisterernst M (August 1994). "A novel mediator of class II gene transcription with homology to viral immediate-early transcriptional regulators". Cell 78 (3): 525-34. 3. Ge H, Roeder RG (August 1994). "Purification, cloning, and characterization of a human coactivator, PC4, that mediates transcriptional activation of class II genes". Cell 78 (3): 513-23.

NCBI AND UNIPROT INFORMATION

NCBI GI #	217330646
NCBI GeneID	10923
NCBI Accession #	NP_006704.3
NCBI GenBank Nucleotide #	NM_006713.3
UniProt Accession #	P53999; Q96L29

Molecular Weight	14,395 Da
NCBI Official Full Name	activated RNA polymerase II transcriptional coactivator p15
NCBI Official Synonym Full Names	SUB1 homolog, transcriptional regulator
NCBI Official Symbol	SUB1
NCBI Official Synonym Symbols	P15; PC4; p14
NCBI Protein Information	activated RNA polymerase II transcriptional coactivator p15
UniProt Protein Name	Activated RNA polymerase II transcriptional coactivator p15
UniProt Gene Name	SUB1
UniProt Synonym Gene Names	PC4; RPO2TC1; PC4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pc4-antibody-immunohistochemistry-western-blot-elisa/46847>