

Mouse PC4/SUB1 Monoclonal Antibody | anti-SUB1 antibody

Anti-PC4/SUB1 Antibody Picoband (monoclonal, 6B5B10)

CATALOG # AAA19701	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

PC4/SUB1; Monoclonal Antibody; Anti-PC4/SUB1 Antibody Picoband (monoclonal; 6B5B10); anti-SUB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Number	6B5B10
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SUB1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 0.25-0.5 ug/ml, Human IHC-P: 2-5 ug/ml, Human, Mouse, Rat Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Mouse IgG for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit for IHC(P).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human PC4/SUB1 recombinant protein (Position: N62-L127).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Figure 9. IHC analysis of PC4/SUB1 using anti-PC4/SUB1 antibody (AAA19701). PC4/SUB1 was detected in a paraffin-embedded section of rat colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-PC4/SUB1 Antibody (AAA19701) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 8. IHC analysis of PC4/SUB1 using anti-PC4/SUB1 antibody (AAA19701). PC4/SUB1 was detected in a paraffin-embedded section of mouse colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-PC4/SUB1 Antibody (AAA19701) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit with DAB as the chromogen.



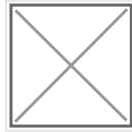
IHC (Immunohistochemistry)

Figure 7. IHC analysis of PC4/SUB1 using anti-PC4/SUB1 antibody (AAA19701).PC4/SUB1 was detected in a paraffin-embedded section of human renal cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-PC4/SUB1 Antibody (AAA19701) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit with DAB as the chromogen.



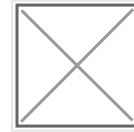
IHC (Immunohistochemistry)

Figure 6. IHC analysis of PC4/SUB1 using anti-PC4/SUB1 antibody (AAA19701).PC4/SUB1 was detected in a paraffin-embedded section of human thyroid gland tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-PC4/SUB1 Antibody (AAA19701) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of PC4/SUB1 using anti-PC4/SUB1 antibody (AAA19701).PC4/SUB1 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-PC4/SUB1 Antibody (AAA19701) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of PC4/SUB1 using anti-PC4/SUB1 antibody (AAA19701).PC4/SUB1 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-PC4/SUB1 Antibody (AAA19701) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-SUB1 antibody	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.
Product Categories/Family for anti-SUB1 antibody	Primary Antibodies , Mouse Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1709514
NCBI GeneID	10923
UniProt Accession #	P53999; Q96L29
Molecular Weight	127
NCBI Official Full Name	Activated RNA polymerase II transcriptional coactivator p15
NCBI Official Synonym Full Names	SUB1 homolog (S. cerevisiae)
NCBI Official Symbol	SUB1
NCBI Official Synonym Symbols	P15; PC4; p14
NCBI Protein Information	activated RNA polymerase II transcriptional coactivator p15; positive cofactor 4; activated RNA polymerase II transcription cofactor 4
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/monoclonal/pc4-sub1-antibody-clone-6b5b10-western-blot-immunohistochemistry-elisa/19701>