

Rabbit PRC1 Polyclonal Antibody | anti-PRC1 antibody

PRC1 Antibody

CATALOG # AAA40182	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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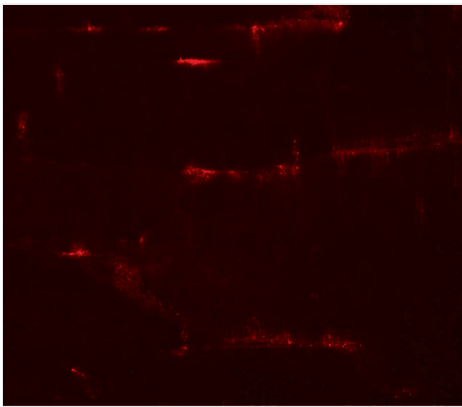
PRODUCT SYNONYMS

PRC1; Polyclonal Antibody; PRC1 Antibody; ASE1; Protein regulator of cytokinesis 1; protein regulator of cytokinesis 1; anti-PRC1 antibody

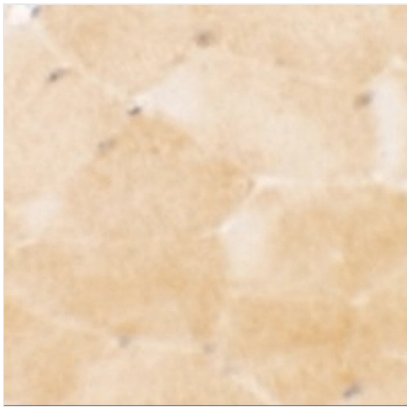
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three alternatively spliced transcript variants encoding distinct isoforms have been observed.
Purity/Purification	PRC1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	620
Applicable Applications for anti-PRC1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PRC1 antibody was raised against a 19 amino acid synthetic peptide near the center of human PRC1.
Buffer	PRC1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PRC1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

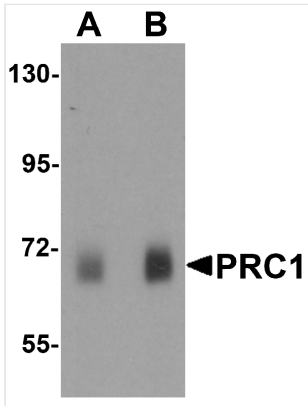
IMAGES



IF (Immunofluorescence)
Immunofluorescence of PRC1 in mouse skeletal muscle tissue with PRC1 antibody at 20 μ g/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of PRC1 in mouse skeletal muscle tissue with PRC1 antibody at 2.5 μ g/mL.



WB (Western Blot)
Western blot analysis of PRC1 in human skeletal muscle tissue lysate with Prc1 antibody at (A) 0.5 μ g/ml and (B) 1 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PRC1 antibody	PRC1 Antibody: PRC1 (Protein Regulator of Cytokinesis 1) is a key regulator of cytokinesis and has been identified as a substrate for several cyclin-dependent kinases (CDKs). High levels of PRC1 expression occurs during S and G2/M and drops dramatically after mitosis exit and G1 entry. It is located in the nucleus during interphase and binds to the midzone of mitotic spindles during anaphase and is localized to the cell midbody during cytokinesis. Depletion of PRC1 has been shown to prevent cellular cleavage, but it has no effect on nuclear division, demonstrating the importance of PRC1 in mitosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506039
NCBI GeneID	9055
NCBI Accession #	NP_003972
NCBI GenBank Nucleotide #	NM_003981.3
UniProt Accession #	O43663; Q9BSB6; A6NC44; B4DLR1; H9KV59
Molecular Weight	70,191 Da
NCBI Official Full Name	protein regulator of cytokinesis 1 isoform 1
NCBI Official Synonym Full Names	protein regulator of cytokinesis 1

NCBI Official Symbol	PRC1
NCBI Official Synonym Symbols	ASE1
NCBI Protein Information	protein regulator of cytokinesis 1; PRC1; protein regulating cytokinesis 1; anaphase spindle elongation 1 homolog
UniProt Protein Name	Protein regulator of cytokinesis 1
UniProt Gene Name	PRC1
UniProt Entry Name	PRC1_HUMAN

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/prc1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40182>