

Datasheet for ABIN2780449
anti-PSMC5 antibody (C-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	PSMC5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMC5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PSMC5
Sequence:	AEVKGVCTEA GMYALRERRV HVTQEDFEMA VAKVMQKDSE KNMSIKKLWK
Predicted Reactivity:	Cow: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against PSMC5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	PSMC5
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Target Details

Alternative Name:	PSMC5 (PSMC5 Products)
Background:	<p>The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. PSMC5 is one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. In addition to participation in proteasome functions, this subunit may participate in transcriptional regulation since it has been shown to interact with the thyroid hormone receptor and retinoid X receptor-alpha.</p> <p>Alias Symbols: S8, p45, SUG1, SUG-1, TBP10, TRIP1, p45/SUG</p> <p>Protein Interaction Partner: HUWE1, KRT38, KRT40, PDCL, CIITA, FOS, THAP11, SUMO2, SUMO3, Gabbr2, PSMD14, UBE3C, UBC, PSMB4, RPS13, RPL29, PSMD12, PSMD11, PSMD8, PSMD3, PSMD1, PSMC6, DYNC1I2, ABCF1, KCMF1, UCHL5, KIAA0368, UBR4, ADRM1, MAP2, PARK2, FBXO6, RORA, PSMC4, BAG3, HIV2gp7,</p> <p>Protein Size: 406</p>
Molecular Weight:	46 kDa
Gene ID:	5705
NCBI Accession:	NM_002805 , NP_002796
UniProt:	P62195
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 406 AA
Restrictions:	For Research Use only

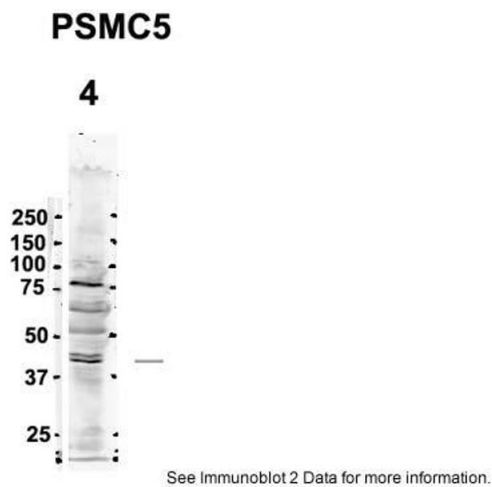
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

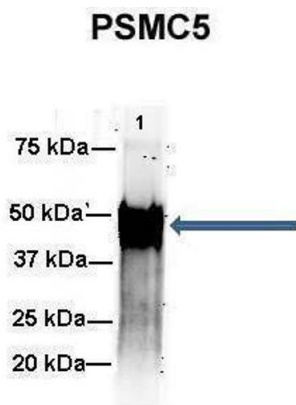
Image 1. Sample Type: 4. rat brain extract (80ug)

Primary Antibody Dilution: 2ug/ml

Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience

Secondary Antibody Dilution: 1: 20,000

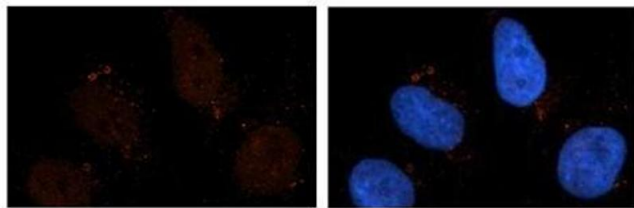
Image Submitted by: Yuzhi Chen
University of Arkansas for Medical Science



Immunoprecipitation

Image 2. Amount and Sample Type : 500 ug mouse brain homogenate Amount of IP Antibody : 6 ug Primary Antibody : PSMC5 Primary Antibody Dilution : 1:500 Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594 Secondary Antibody Dilution : 1:5000 Gene Name : PSMC5 Submitted by : Dr. Yuzhi Chen, University of Arkansas for Medical Science

PSMC5



Antibody--RED
DAPI--Blue

See IHC 1 Data and Customer Feedback for more information

Immunohistochemistry

Image 3. Sample Type : Human brain stem cells Primary Antibody Dilution : 1:500 Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594 Secondary Antibody Dilution : 1:1000 Color/Signal Descriptions : PSMC5: Red DAPI:Blue Gene Name : PSMC5 Submitted by : Dr. Yuzhi Chen, University of Arkansas for Medical Science

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2780449.