

Datasheet for ABIN3022098
anti-PSMC5 antibody (AA 127-406)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	PSMC5
Binding Specificity:	AA 127-406
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMC5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 127-406 of human PSMC5 (NP_002796.4).
Sequence:	LPNKVDPLVS LMMVEKVPDS TYEMIGGLDK QIKEIKEVIE LPVKHPELFE ALGIAQPKGVL LLYGPPGTGK TLLARAVAHH TDCTFIRVSG SELVQKFIGE GARMVRELFV MAREHAPSII FMDEIDSIGS SRLEGGSGGD SEVQRTMLEL LNQLDGFEAT KNIKVIMATN RIDILDSALL RPGRIDRKIE FPPPNEEARL DILKIHSRKM NLTRGINLRK IAELMPGASG AEVKGVCTEA GMYALRERRV HVTQEDFEMA VAKVMQKDSE KNMSIKKLWK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PSMC5
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 20S core is composed of 4 rings of 28 non-identical subunits, 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. 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. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes 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. Two transcript variants encoding different isoforms have been found for this gene.,PSMC5,S8,SUG-1,SUG1,TBP10,TRIP1,p45,p45/SUG,ATPase 5,Cell Biology & Developmental Biology,Ubiquitin,PSMC5</p>
Molecular Weight:	44 kDa/45 kDa
Gene ID:	5705
UniProt:	P62195
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

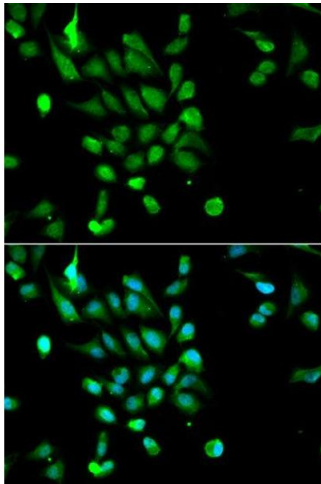
should be handled by trained staff only.

Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C

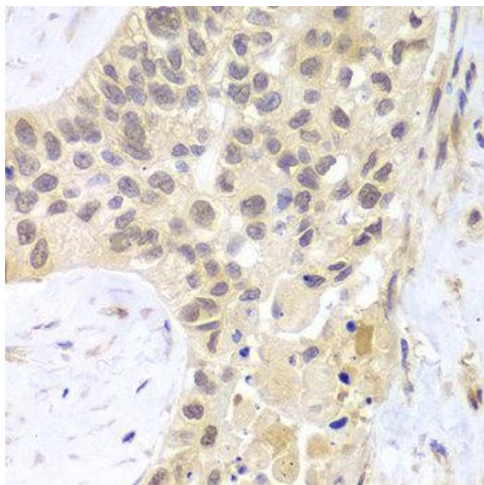
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of MCF7 cell using PSMC5 antibody. Blue: DAPI for nuclear staining.

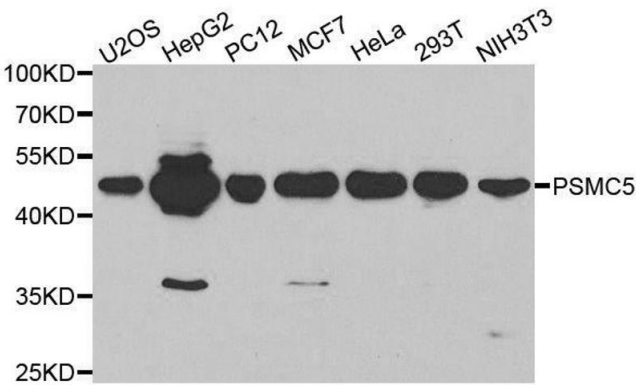


Immunohistochemistry

Image 2.

Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PSMC5 antibody.



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3022098.