

Datasheet for ABIN5542634
anti-PSMC3 antibody (AA 53-152)

9 Images

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Overview

Quantity:	0.1 mg
Target:	PSMC3
Binding Specificity:	AA 53-152
Reactivity:	Human, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PSMC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human *** (AA: 53-152) expressed in E. coli.
Clone:	1G10C9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PSMC3
Alternative Name:	PSMC3 (PSMC3 Products)
Background:	Description: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered

Target Details

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 that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9.,
Aliases: TBP1

Molecular Weight:	49 kDa
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Gene ID:	5702
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HGNC:	5702
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Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Ubiquitin Proteasome Pathway
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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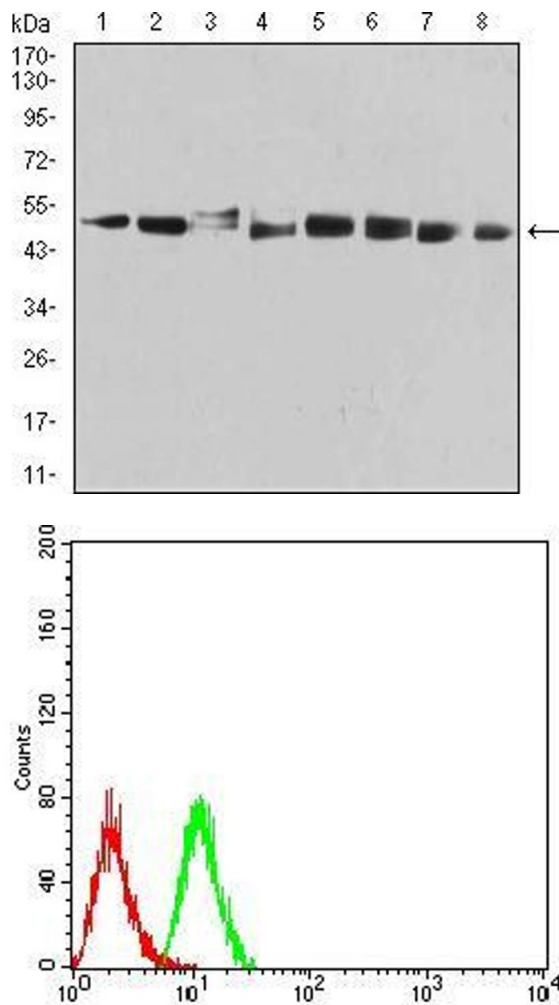
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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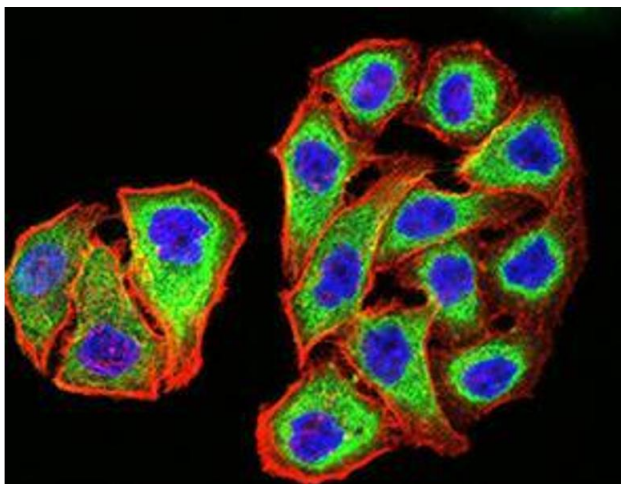


Western Blotting

Image 1. Western blot analysis using PSMC3 mouse mAb against MCF-7 (1), PC-3 (2), T47D (3), SW620 (4), COS7 (5), C6 (6), HELA (7), and A431 (8) cell lysate.

Flow Cytometry

Image 2. Flow cytometric analysis of Hela cells using PSMC3 mouse mAb (green) and negative control (red).



Immunocytochemistry

Image 3. Immunofluorescence analysis of MCF-7 cells using PSMC3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN5542634.