

Datasheet for ABIN2855902
anti-PSMB5 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	PSMB5
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human PSMB5. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to PSMB5 (proteasome (prosome, macropain) subunit, beta type, 5) PSMB5 antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	PSMB5
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Target Details

Alternative Name:	proteasome subunit beta 5 (PSMB5 Products)
Background:	<p>The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit in the proteasome. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 3i (proteasome beta 8 subunit). Multiple transcript variants encoding different isoforms have been found for this gene.</p> <p>Cellular Localization: Cytoplasm , Nucleus</p>
Molecular Weight:	28 kDa
Gene ID:	5693
UniProt:	P28074
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A431 , H1299
Restrictions:	For Research Use only

Handling

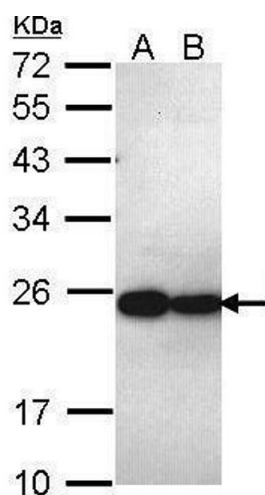
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: 4 °C, -20 °C

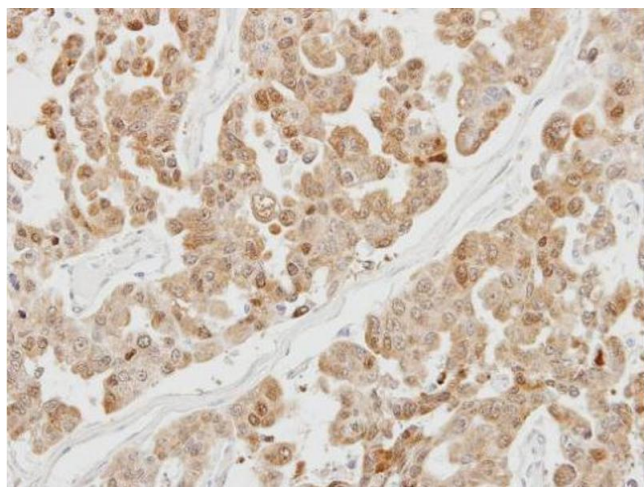
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



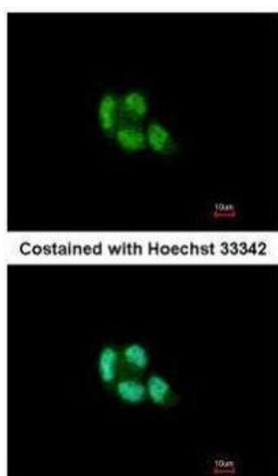
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: A431 , B: H1299 12% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded OVCAR3 xenograft, using PSMB5, antibody at 1:100 dilution.



Immunofluorescence

Image 3. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed A431, using Proteasome 20S beta 5, antibody at 1:200 dilution.