Datasheet for ABIN7164973

anti-PSMB2 antibody (AA 1-201)

5 Images

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Overview

Quantity:	100 µg
Target:	PSMB2
Binding Specificity:	AA 1-201
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Proteasome subunit beta type-2 protein (1-201AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	PSMB2
Alternative Name:	PSMB2 (PSMB2 Products)
Background:	Background: 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

Target Details

	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. PSMB2 is a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit.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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Aliases: HC7 I antibody, Macropain subunit C7 I antibody, Macropain subunit C7-I antibody, Multicatalytic endopeptidase complex subunit C7 1 antibody, Multicatalytic endopeptidase complex subunit C7 I antibody, Multicatalytic endopeptidase complex subunit C7-I antibody, Proteasome (prosome, macropain) subunit beta type 2 antibody, Proteasome beta 2 subunit antibody, Proteasome component C7 I antibody, Proteasome component C7-I antibody, Proteasome subunit beta type-2 antibody, PSB2_HUMAN antibody, Psmb2 antibody
UniProt:	P49721
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

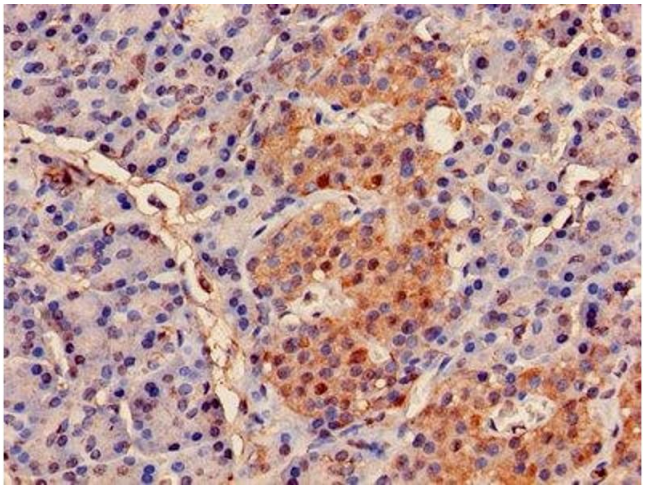
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin

Handling

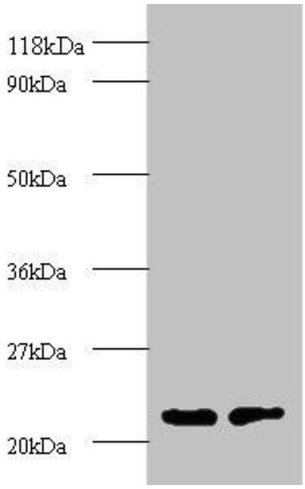
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



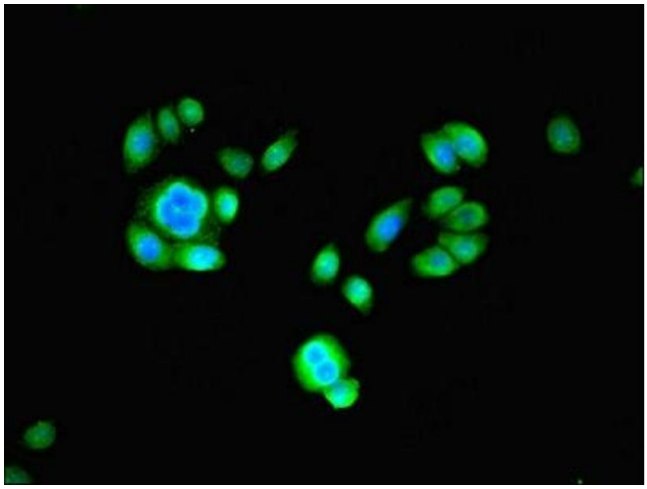
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7164973 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: proteasome subunit beta type-2 antibody at 2 µg/mL Lane 1: EC109 whole cell lysate Lane 2: 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/15000 dilution Predicted band size: 23 kDa Observed band size: 23 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of PC-3 cells using ABIN7164973 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the product details page for more images. Overall 5 images are available for ABIN7164973.