Datasheet for ABIN1387051

anti-PSMB7 antibody (pSer214)

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Overview

Quantity:	100 µL
Target:	PSMB7
Binding Specificity:	pSer214
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Proteasome 20S beta 7 around the phosphorylation site of Ser214
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	PSMB7
Abstract:	PSMB7 Products

Target Details

Background:	Synonyms: Proteasome 20S beta 7 phospho S214, Proteasome 20S beta 7 phospho Ser214, p-Proteasome 20S beta 7 S214, p-Proteasome 20S beta 7 Ser214,20S Proteasome _7, Macropain chain Z, Multicatalytic endopeptidase complex chain Z, Proteasome prosome macropain subunit beta type 7, Proteasome beta 7 subunit, Proteasome catalytic subunit 2, Proteasome subunit alpha, Proteasome subunit beta 7, Proteasome subunit beta type-7, Proteasome subunit Z, PSB7_HUMAN, PSMB7, PUP1. Background: The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH . The proteasome has an ATP-dependent proteolytic activity. This unit is responsible of the trypsin-like activity.The proteasome represents a large protein complex that exists inside all eukaryotes and archaea, and in some bacteria. The main function of proteasomes is to degrade unnecessary or damaged proteins by proteolysis. The most common form of the proteasome, known as the 26S Proteasome, contains one 20S Proteasome core particle structure and two 19S regulatory caps. The 20S Proteasome core is hollow and forms an enclosed cavity, where proteins are degraded, as well as openings at the two ends to allow the target protein to enter. The 20S Proteasome core particle contains many subunits, depending on the organism.
Gene ID:	5688
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months