Datasheet for ABIN6146351

anti-PSME1 antibody (AA 1-249)

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2 Images

Overview

Quantity:	100 µL
Target:	PSME1
Binding Specificity:	AA 1-249
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSME1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-249 of human PSME1 (NP_006254.1).
Sequence:	MAMLRVQPEA QAKVDVFRED LCTKTENLLG SYFPKKISEL DAFLKEPALN EANLSNLKAP LDIPVPDPVK EKEKEERKKQ QEKEDKDEKK KGEDEDKGPP CGPVNCNEKI VVLLQRLKPE IKDVIEQLNL VTTWLQLQIP RIEDGNNFGV AVQEKVFELM TSLHTKLEGF HTQISKYFSE RGDAVTKAAK QPHVGDYRQL VHELDEAEYR DIRLMVMEIR NAYAVLYDII LKNFEKLKKP RGETKGMIY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PSME1
Alternative Name:	PSME1 (PSME1 Products)
Background:	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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the alpha subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three alpha and three beta subunits combine to form a heterohexameric ring. Alternative splicing results in multiple transcript variants.,PSME1,HEL-S-129m,IFI5111,PA28A,PA28alpha,REGalpha,Cell Biology & Developmental Biology,Ubiquitin,PSME1
Molecular Weight:	26 kDa/28 kDa
Gene ID:	5720
UniProt:	Q06323
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Positive Regulation of Endopeptidase Activity, Synthesis of DNA

Application Details

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

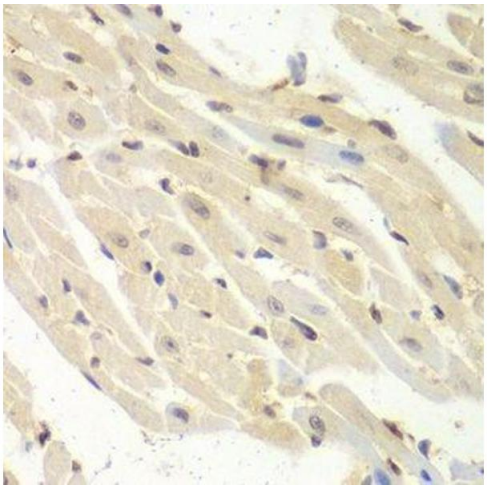
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

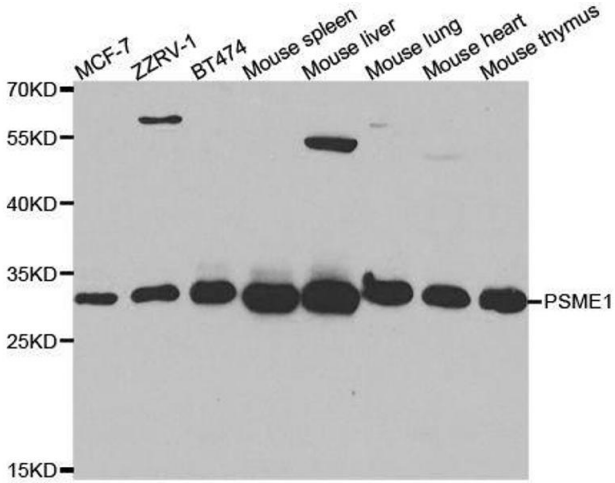
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Validation report #104300 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded mouse heart using PSME1 antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PSME1 antibody.