Datasheet for ABIN7269584

anti-PSMC1 antibody (AA 77-440)

1 Image

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Overview

Quantity:	100 µL
Target:	PSMC1
Binding Specificity:	AA 77-440
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	PSMC1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 77-440 of human PSMC1 (NP_002793.2).
Sequence:	EFIRNQEQMK PLEEKQEEER SKVDDLRGTP MSVGTLEEII DDNHAIVSTS VGSEHYVSIL SFVDKDLLEP GCSVLLNHKV HAVIGVLMDD TDPLVTVMKV EKAPQETYAD IGGLDNQIQE IKESVELPLT HPEYYEEMGI KPPKGVILYG PPGTGKTLLA KAVANQTSAT FLRVVGSELI QKYLGDGPKL VRELFRVAEE HAPSIVFIDE IDAIGTKRYD SNSGGEREIQ RTMLELLNQL DGFDSRGDVK VIMATNRIET LDPALIRPGR IDRKIEFPLP DEKTKKRIFQ IHTSRMTLAD DVTLDDLIMA KDDLSGADIK AICTEAGLMA LRERRMKVTN EDFKKSKENV LYKKQEGTPE GLYL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat

Product Details

Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PSMC1
Alternative Name:	PSMC1 (PSMC1 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. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. This subunit and a 20S core alpha subunit interact specifically with the hepatitis B virus X protein, a protein critical to viral replication. This subunit also interacts with the adenovirus E1A protein and this interaction alters the activity of the proteasome. Finally, this subunit interacts with ataxin-7, suggesting a role for the proteasome in the development of spinocerebellar ataxia type 7, a progressive neurodegenerative disorder.,PSMC1,P26S4,S4,p56,ATPase 1,Epigenetics & Nuclear Signaling,RNA Binding,Cell Biology & Developmental Biology,Ubiquitin,PSMC1
Molecular Weight:	41kDa/49kDa
Gene ID:	5700
UniProt:	P62191
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA, Ubiquitin Proteasome Pathway

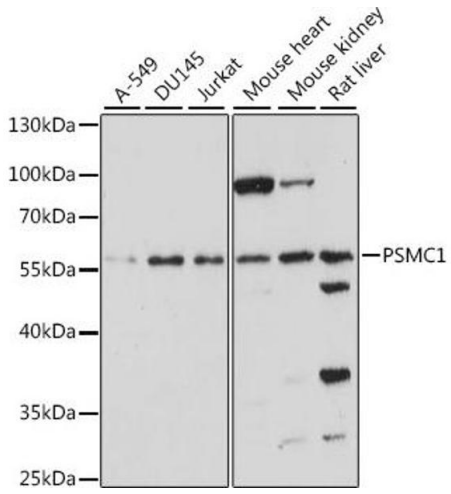
Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200
Restrictions:	For Research Use only

Handling

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

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PSMC1 antibody (ABIN7269584) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.