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Datasheet for ABIN6213753
anti-PSME3 antibody (AA 1-254)

2 Images

Overview

Quantity:	20 µL
Target:	PSME3
Binding Specificity:	AA 1-254
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSME3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-254 of human PSME3 (NP_789839.1).
Sequence:	MASLLKVDQE VKLKVDSFRE RITSEAEDLV ANFFPKKLE LDSFLKEPIL NIHDLTQIHS DMNLPVPDPI LLTNSHDGLD GPTYKKRRRLD ECEAFQGTK VFVMPNGMLK SNQQLVDIIE KVKPEIRLLI EKCNTPSGKG PHICFDLQVK MWVQLLIPRI EDGNNFGVSI QEETVAELRT VESEAASYLD QISRYYITRA KLVSKIAYKYP HVEDYRRTVT EIDEKEYISL RLIISELRNQ YVTLHDMILK NIEK
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PSME3
Alternative Name:	PSME3 (PSME3 Products)
Background:	<p>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 gamma subunit of the 11S regulator. Six gamma subunits combine to form a homohexameric ring. Alternate splicing results in multiple transcript variants.,PSME3,HEL-S-283,Ki,PA28-gamma,PA28G,PA28gamma,REG-GAMMA,Cancer,Tumor suppressors,p53 pathway,Cell Biology & Developmental Biology,Cell Cycle,Cell cycle inhibitors,Ubiquitin,Immunology & Inflammation,PSME3</p>
Molecular Weight:	29 kDa/30 kDa
Gene ID:	10197
UniProt:	P61289
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Positive Regulation of Endopeptidase Activity , Hepatitis C , Synthesis of DNA

Application Details

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

Handling

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

Handling

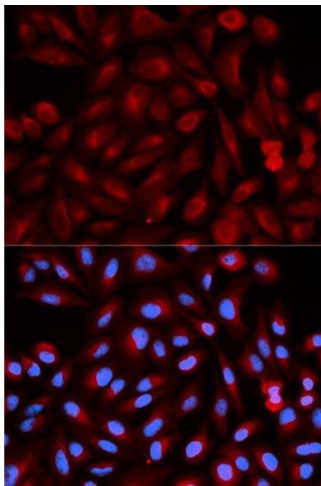
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C

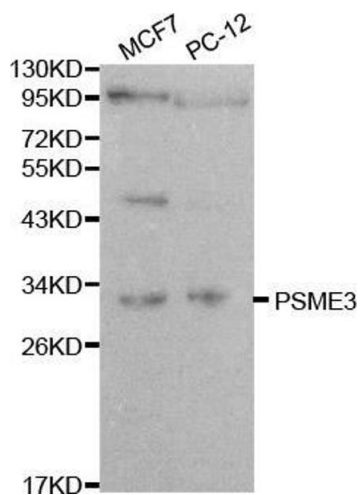
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cell using PSME3 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PSME3 antibody.