

Datasheet for ABIN2856424

anti-PSME3 antibody

6 Images

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Overview

Quantity:	100 µL
Target:	PSME3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSME3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human PSME3. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to PSME3 (proteasome (prosome, macropain) activator subunit 3 (PA28 gamma, Ki)) PSME3 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	PSME3
Alternative Name:	proteasome activator subunit 3 (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. Two transcript variants encoding different isoforms have been identified.</p> <p>Cellular Localization: Nucleus , Cytoplasm (By similarity)</p>
Molecular Weight:	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: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A549 , H1299 , HCT116 , MCF-7 , NIH-3T3 , JC , BCL-1 , PC-12 , 293T Validation: KO/KD
Restrictions:	For Research Use only

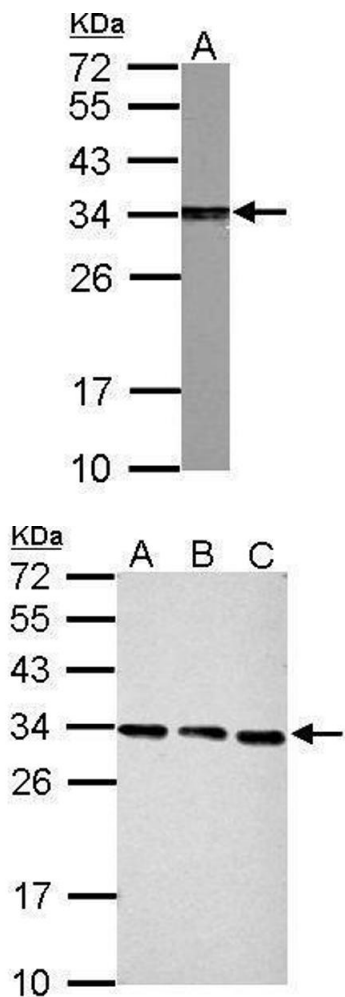
Handling

Format:	Liquid
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Handling

Concentration:	0.65 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images

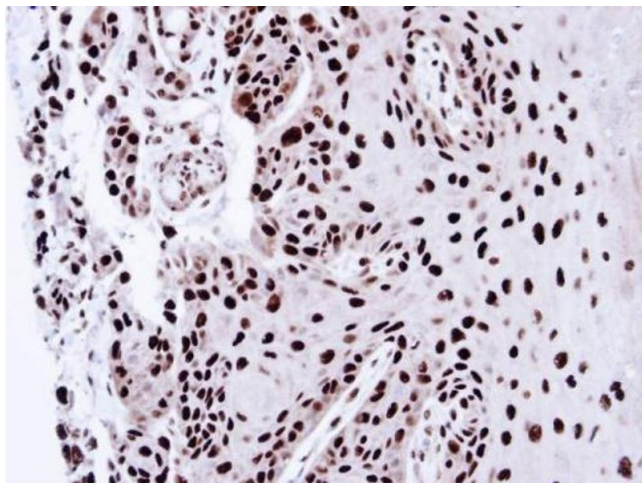


Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: PC-12 12% SDS PAGE antibody diluted at 1:2000

Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: NIH-3T3 B: JC C: BCL-1 12% SDS PAGE antibody diluted at 1:2000



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded CA922 xenograft, using PSME3, antibody at 1:100 dilution.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2856424.