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Datasheet for ABIN6982847
anti-PSME3 antibody (AA 181-254) (Biotin)

Overview

Quantity:	100 µL
Target:	PSME3
Binding Specificity:	AA 181-254
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSME3 antibody is conjugated to Biotin
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PSME3
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PSME3
Alternative Name:	PSME3 (PSME3 Products)
Background:	Synonyms: PA28G, 11S regulator complex gamma subunit, 11S regulator complex subunit

Target Details

gamma, Activator of multicatalytic protease subunit 3, Ki antibody Ki antigen, Ki nuclear autoantigen, Ki, PA28 gamma, PA28 gamma, PA28gamma, Proteasome (prosome, macropain) activator subunit 3 (PA28 gamma, Ki), Proteasome (prosome, macropain) activator subunit 3, Proteasome activator 28 gamma, Proteasome activator 28 subunit gamma, Proteasome activator complex subunit 3, Proteasome activator subunit 3, PSME3, PSME3_HUMAN, Background: Subunit of the 11S REG-gamma (also called PA28-gamma) proteasome regulator, a doughnut-shaped homoheptamer which associates with the proteasome. 11S REG-gamma activates the trypsin-like catalytic subunit of the proteasome but inhibits the chymotrypsin-like and postglutamyl-preferring (PGPH) subunits. Facilitates the MDM2-p53/TP53 interaction which promotes ubiquitination- and MDM2-dependent proteasomal degradation of p53/TP53, limiting its accumulation and resulting in inhibited apoptosis after DNA damage. May also be involved in cell cycle regulation. Mediates CCAR2 and CHEK2-dependent SIRT1 inhibition (PubMed:25361978).

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: IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Handling

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months