



[Go to Product page](#)

Datasheet for ABIN6242866
anti-PSME4 antibody (AA 503-535)

1 Image

Overview

Quantity:	200 µL
Target:	PSME4
Binding Specificity:	AA 503-535
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSME4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PSME4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 503-535 amino acids from human PSME4.
Clone:	RB55279
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PSME4
Alternative Name:	PSME4 (PSME4 Products)

Target Details

Background: Associated component of the proteasome that specifically recognizes acetylated histones and promotes ATP- and ubiquitin- independent degradation of core histones during spermatogenesis and DNA damage response. Recognizes and binds acetylated histones via its bromodomain-like (BRDL) region and activates the proteasome by opening the gated channel for substrate entry. Binds to the core proteasome via its C-terminus, which occupies the same binding sites as the proteasomal ATPases, opening the closed structure of the proteasome via an active gating mechanism. Component of the spermatoproteasome, a form of the proteasome specifically found in testis: binds to acetylated histones and promotes degradation of histones, thereby participating actively to the exchange of histones during spermatogenesis. Also involved in DNA damage response in somatic cells, by promoting degradation of histones following DNA double-strand breaks.

Molecular Weight: 211334

UniProt: [Q14997](#)

Pathways: [DNA Replication, Synthesis of DNA](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

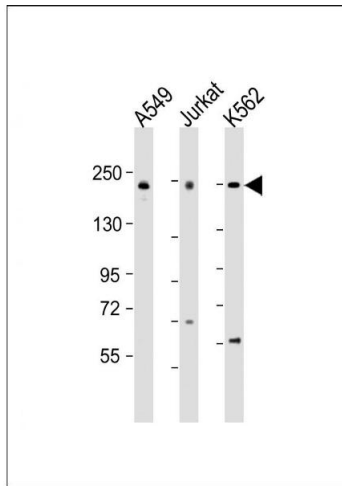
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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: 4 °C, -20 °C

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-PSME4 Antibody (N-Term) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: K562 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 211 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.