



PSME4 Antibody, HRP conjugated

Product Code	CSB-PA618917LB01HU
Abbreviation	Proteasome activator complex subunit 4
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q14997
Immunogen	Recombinant Human Proteasome activator complex subunit 4 protein (105-198AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA
Relevance	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.
Form	Liquid
Conjugate	HRP
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Proteasome activator complex subunit 4 (Proteasome activator PA200), PSME4, KIAA0077
Species	Homo sapiens (Human)
Research Area	Cell Biology
Target Names	PSME4