

Product Name: PSMC3 Rabbit Polyclonal Antibody
Catalog #: APRab16612



Summary

Production Name	PSMC3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PSMC3 PSMC3; TBP1; 26S protease regulatory subunit 6A; 26S proteasome AAA-ATPase subunit RPT5; Proteasome 26S subunit ATPase 3; Proteasome subunit P50; Tat-binding protein 1; TBP-1
Alternative Names	
Gene ID	5702.0
SwissProt ID	P17980.The antiserum was produced against synthesized peptide derived from human PRS6A. AA range:271-320

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:40000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	45kDa

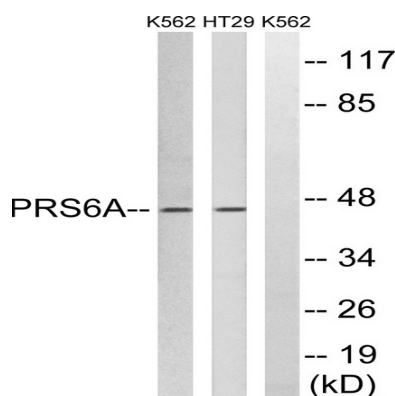
Background

proteasome 26S subunit, ATPase 3(PSMC3) Homo sapiens 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. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for bindifunction:The 26S protease is involved in the ATP-dependent degradation of ubiquitinated proteins. The regulatory (or ATPase) complex confers ATP dependency and substrate specificity to the 26S complex (By similarity). In case of HIV-1 infection, suppresses Tat-mediated transactivation.,PTM:Sumoylated by UBE2I in response to MEKK1-mediated stimuli.,similarity:Belongs to the AAA ATPase family.,subunit:May form a heterodimer with a related family member. Interacts with PAAF1. Interacts with HIV-1 Tat,

Research Area

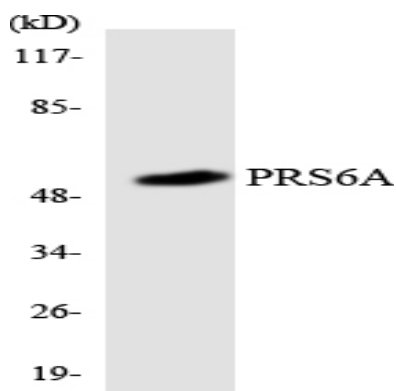
Proteasome;

Image Data



Western blot analysis of lysates from K562 and HT-29 cells, using PRS6A Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HT-29 cells using PRS6A antibody.

Note

For research use only.