

PSMC3 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07457
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PRS6A. AA range:271-320
Mol wt	49204
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	PSMC3 Antibody
Synonyms	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

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. PSMC (3proteasome 26S subunit, ATPase 3) 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 binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9.

Recommended Dilution

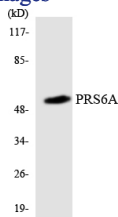
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

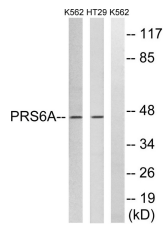
ELISA: 1: 40000

Not yet tested in other applications.

Images



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



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.

Storage

-20°C for one year

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