BT LAB
Bioassay Technology Laboratory
Optimize Your Research

PSME1 Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04321
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from human PSME1
Mol wt	27390
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	PSME1
Synonyms	PSME1

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

Background

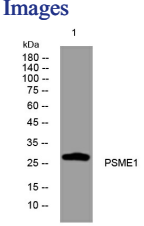
The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes| a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 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. The immunoproteasome contains an alternate regulator| referred to as the 11S regulator or PA28| that replaces the 19S regulator. Three subunits (alpha| beta and gamma) of the 11S regulator have been identified. This gene encodes the alpha subunit of the 11S regulator| one of the two 11S subunits that is induced by gamma-interferon. Three alpha and three beta subunits combine to form a heterohexameric ring. Alternative splicing results in multiple transcript variants.

Recommended Dilution

WB: 1: 500 - 1: 2000

Not yet tested in other applications.

Images



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4°C overnight

Storage

-20°C for 1 year

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