

PSMD12 antibody

Catalog No: #39119

Package Size: #39119-1 50ul #39119-2 100ul

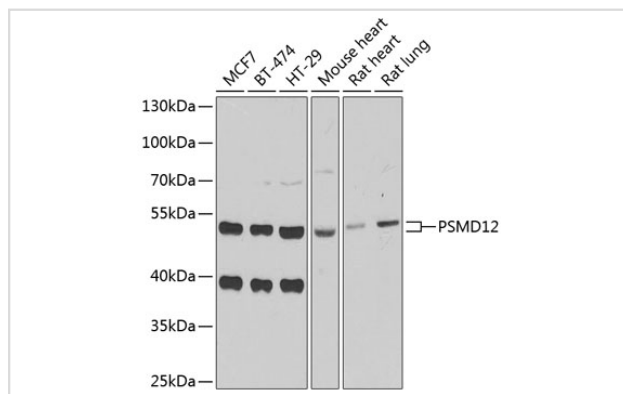
Description

Product Name	PSMD12 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total PSMD12 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human PSMD12 (NP_002807.1).
Conjugates	Unconjugated
Target Name	PSMD12
Other Names	PSMD12;Rpn5;p55;STISS
Accession No.	Uniprot:O00232GenelD:5718
SDS-PAGE MW	53kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using PSMD12 antibody.

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. This gene encodes a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Published Papers

et al., NSP6 inhibits the production of ACE2-containing exosomes to promote SARS-CoV-2 infectivity. In mBio on 2024 Mar 13 by Xi Lv, Ran Chen, et al..PMID:38303107, , (2024)

[PMID:38303107](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.