Product Datasheet

PSMD12 antibody

Catalog No: #39119

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

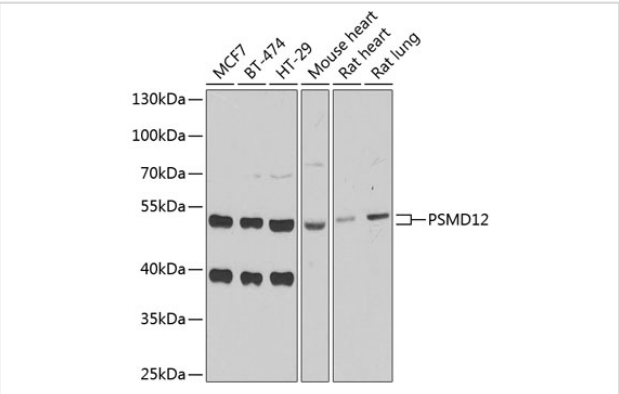
Description

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:O00232GeneID: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

el at., 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.