

PSMD13 Polyclonal Antibody

Catalog No. E-AB-61430

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein of human PSMD13 (NP_002808.3).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

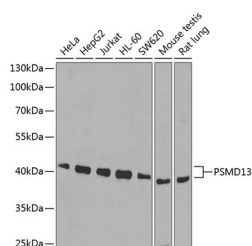
Applications Recommended Dilution

WB 1:500-1:2000 IHC

1:50-1:100 IF

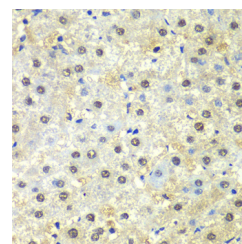
1:50-1:100

Data

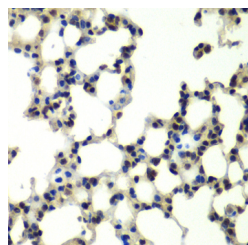


Western blot analysis of extracts of various cell lines using PSMD13 Polyclonal Antibody at dilution of 1:1000.

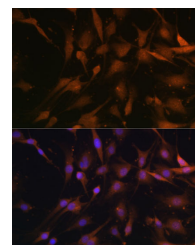
Observed Mw:43kDa
Calculated Mw:42kDa



Immunohistochemistry of paraffin-embedded Human liver tissue using PSMD13 Polyclonal Antibody at dilution of 1:100 (40x lens).

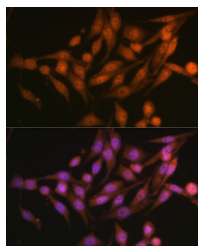


Immunohistochemistry of paraffin-embedded Mouse lung using PSMD13 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of C6 cells using PSMD13 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

For Research Use Only



Immunofluorescence analysis of HeLa cells using
PSMD13 Polyclonal Antibody at dilution of 1:100
(40x lens). Blue: DAPI for nuclear staining.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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. Two transcripts encoding different isoforms have been described.