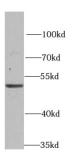
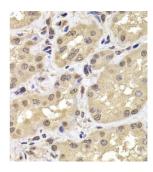


## 26S Proteasome Non-ATPase Regulatory Subunit 12 (PSMD12) Antibody

Catalogue No.:abx236884



WB analysis of HepG2 cells, using PSMD12 antibody (1/1000 dilution).



IHC-P analysis of human kidney tissue, using PSMD12 antibody (1/50 dilution).

26S Proteasome Non-ATPase Regulatory Subunit 12 (PSMD12) Antibody is a Rabbit Polyclonal against 26S Proteasome Non-ATPase Regulatory Subunit 12 (PSMD12). 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.

Target: 26S Proteasome Non-ATPase Regulatory Subunit 12 (PSMD12)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IHC

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by

the end user.

Conjugation: Unconjugated

## **Datasheet**

Version: 3.0.0 Revision date: 26 Oct 2025



**Immunogen:** proteasome (prosome, macropain) 26S subunit, non-ATPase, 12

**Isotype**: IgG

Form: Liquid

**Purity:** ≥ 95% (SDS-PAGE)

**Purification:** Purified by immunogen affinity chromatography.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Validity: 12 months.

UniProt Primary AC: 000232 (UniProt, ExPASy)

Gene Symbol: PSMD12

GeneID: <u>5718</u>

OMIM: 604450

NCBI Accession: NP\_001303270.1, NM\_001316341.1, NP\_002807.1, NM\_002816.4

**HGNC**: 9557

KEGG: hsa:5718

**Ensembl**: ENSG00000197170

String: 9606.ENSP00000348442

Molecular Weight: Observed MW: 53 kDa

**Buffer:** PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.

Concentration: 2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC,

THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL

CONSUMPTION.