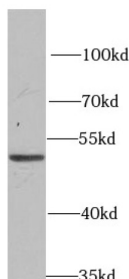
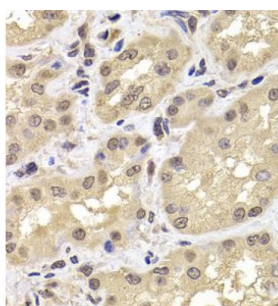


26S Proteasome Non-ATPase Regulatory Subunit 12 (PSMD12) Antibody

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: 20 Jul 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:	O00232 (UniProt , ExPASy)
Gene Symbol:	PSMD12
GeneID:	5718
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.