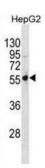
Datasheet

Version: 2.0.0 Revision date: 01 Nov 2025



26S Proteasome Non-ATPase Regulatory Subunit 5 (PSMD5) Antibody

Catalogue No.:abx031172



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 base.

Target: 26S Proteasome Non-ATPase Regulatory Subunit 5 (PSMD5)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic peptide between 428-457 amino acids from the C-terminal region of

human PSMD5.

Isotype: IgG

Form: Liquid

Purification: Purified through a protein A column, followed by peptide affinity purification.

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

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UniProt Primary AC: Q16401 (UniProt, ExPASy)

Gene Symbol: PSMD5

GeneID: <u>5711</u>

OMIM: <u>604452</u>

NCBI Accession: NP_001257356.1, NM_001270427.1, NP_005038.1, NM_005047.3

HGNC: 9563

KEGG: hsa:5711

Ensembl: ENSG00000095261

String: <u>9606.ENSP00000210313</u>

Molecular Weight: Calculated MW: 56.2 kDa

Buffer: PBS containing 0.09% sodium azide.

Specificity: Predicted to react with Mouse and Cow PSMD5.

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

THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL

CONSUMPTION.

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