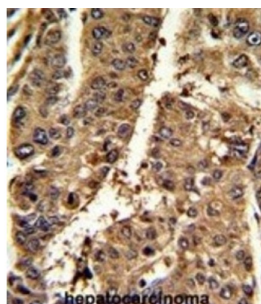


## Proteasome Activator Complex Subunit 2 (PSME2) Antibody

Catalogue No.: abx032936



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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. PSME2 is the beta subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon.

**Target:** Proteasome Activator Complex Subunit 2 (PSME2)

**Clonality:** Polyclonal

**Reactivity:** Human

**Tested Applications:** ELISA, WB, IHC, FCM

# Datasheet

Version: 4.0.0  
Revision date: 07 Aug 2025



**Host:** Rabbit

**Recommended dilutions:** WB: 1/1000, IHC-P: 1/50 - 1/100, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** KLH-conjugated synthetic peptide between 210-239 amino acids from the C-terminal region of human PSME2.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified Rabbit Polyclonal Antibody.

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

**UniProt Primary AC:** Q9UL46 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** PSME2

**GeneID:** [5721](#)

**OMIM:** [602161](#)

**HGNC:** 9569

**KEGG:** hsa:5721

**Ensembl:** ENSG00000100911

**String:** [9606.ENSP00000216802](#)

**Molecular Weight:** Calculated MW: 27.4 kDa

**Buffer:** PBS containing 0.09% sodium azide.

**Specificity:** Predicted to react with Mouse, Rat and Cow PSME2.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.