

## Proteasome Subunit Alpha Type 5 (PSMA5) Antibody

Catalogue No.: abx174235

This product is currently in development. The lead time for this product may be several months. Please contact us at [info@abbexa.com](mailto:info@abbexa.com) for an updated lead time before purchasing this product.

Proteasome Subunit Alpha Type 5 (PSMA5) Antibody is a Mouse Monoclonal antibody against Proteasome Subunit Alpha Type 5 (PSMA5). The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 member of the peptidase T1A family, that is a 20S core alpha subunit. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found for this gene.

<b>Target:</b>	Proteasome Subunit Alpha Type 5 (PSMA5)
<b>Clonality:</b>	Monoclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	WB, IHC, IF/ICC
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	WB: 0.01-2 µg/ml, IHC: 5-20 µg/ml, IF/ICC: 5-20 µg/ml. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by Protein A and Protein G affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P28066 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>KEGG:</b>	hsa:5686
<b>String:</b>	<a href="#">9606.ENSP00000271308</a>
<b>Buffer:</b>	0.01 M PBS, pH 7.4, containing 0.05% Proclin-300, 50% glycerol.

# Datasheet

Version: 3.0.0

Revision date: 30 Jul 2025



**Note:**

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

For Reference Only