

Datasheet for ABIN2787366  
**anti-PSMA3 antibody (Middle Region)**



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1 Image

## Overview

Quantity:	100 µL
Target:	PSMA3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Zebrafish (Danio rerio), Cow, Rabbit, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMA3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PSMA3
Sequence:	TCRDIVKEVA KIIYIVHDEV KDKAFELELS WVGELTNGRH EIVPKDIREE
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 92%, Rat: 92%, Yeast: 77%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against PSMA3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	PSMA3
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## Target Details

Alternative Name:	PSMA3 ( <a href="#">PSMA3 Products</a> )
Background:	<p>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. PSMA3 is a member of the peptidase T1A family, that is a 20S core alpha subunit. 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. Two alternative transcripts encoding different isoforms have been identified.</p> <p>Alias Symbols: HC8, MGC12306, MGC32631, PSC3</p> <p>Protein Interaction Partner: SF1, STX4, SNRPC, SNRPB, RAB3IL1, PSMB4, PSMA6, PSMA3, PSMA1, NPPB, CTAGE5, LETM1, LASP1, KRAS, NPBWR2, GATA3, GATA2, CYBA, CST2, CDK6, ATP6V0C, DMC1, SLMO1, BTN2A2, STX6, SERF2, HUWE1, APLN, C1QTNF9B-AS1, C9orf106, KRTAP26-1, KRTAP19-5, KRTAP8-1, RTP5, R</p> <p>Protein Size: 248</p>
Molecular Weight:	28 kDa
Gene ID:	5684
NCBI Accession:	<a href="#">NM_152132</a> , <a href="#">NP_687033</a>
Pathways:	<a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a>

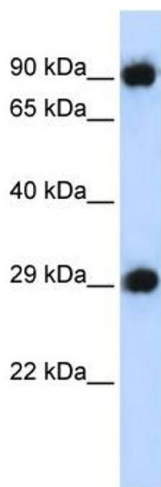
## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 248 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

#### Image 1. WB Suggested Anti-PSMA3 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:312500

**Positive Control:** 293T cell lysate