

DNAxPAb

Hard-to-Find  
Antibody

# PSMB7 DNAxPab

Catalog # H00005695-W01P

Size 200 ug

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against a full-length human PSMB7 DNA using DNAx™ Immune technology.
<b>Technology</b>	<a href="#">DNAx™ Immune</a>
<b>Immunogen</b>	Full-length human DNA
<b>Sequence</b>	MAAVSVYAPPVGGFSFDNCRRNAVLEADFAKRGYKLPKVRKTGTTIAGVVYKDGMLGADTRATE GMVVADKNCISKIHFISPNIYCCGAGTAADTDMTTQLISSNLELHSLSTGRLPRVVTANRMLKQMLF RYQGYIGAALVLGGVDVTGPHLYSIYPHGSTDKLPYVTMGSGSLAAMAVFEDKFRPDMEEEEAKN LVSEAAAGIFNDLGSGSNIDLCVISKNKLDFLRPYTPVNKKGTRLGRYRCEKGTTAVLTEKITPLEIE VLEETVQTMDS
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Quality Control Testing</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — PSMB7

Entrez GeneID [5695](#)

GeneBank Accession# [NM\\_002799.2](#)

Protein Accession# [NP\\_002790.1](#)

Gene Name PSMB7

Gene Alias Z

Gene Description proteasome (prosome, macropain) subunit, beta type, 7

Omim ID [604030](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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 proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit in the proteasome. Expression of this catalytic subunit is downregulated by gamma interferon and proteolytic processing is required to generate a mature subunit. This subunit is not present in the immunoproteasome and is replaced by catalytic subunit 2i (proteasome beta 10 subunit). [provided by RefSeq]

**Other Designations**

OTTHUMP00000022798|macropain chain Z|multicatalytic endopeptidase complex chain Z|proteasome beta 7 subunit|proteasome catalytic subunit 2|proteasome subunit Z|proteasome subunit alpha|proteasome subunit beta 7

## Pathway

- [Proteasome](#)

## Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)