

DNAxPAb

Hard-to-Find
Antibody

PSMB9 DNAxPAb

Catalog # H00005698-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PSMB9 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLRAGAPTGDLP RAGEVHTGTTIMAVEFDGGVVMGSDSRVSAGEAVVNRVFDKLSPLHERIYCA LSGSAADAQAVADMAAYQLELHGIELEEPPLVLAAANVVRNISKYREDLSAHLMVAGWDQREG GQVYGTGGMLTRQPF AIGGSGSTFIYGYVDAAYKPGMSPEECRRFTTDAIALAMSRDGSSGGVIY LVTITAAGVDHRVILGNELPKFYDE
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	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 — PSMB9

Entrez GeneID	5698
GeneBank Accession#	BC065513
Protein Accession#	AAH65513
Gene Name	PSMB9
Gene Alias	LMP2, MGC70470, PSMB6i, RING12, beta1i
Gene Description	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)
Omim ID	177045
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. This gene is located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 1 (proteasome beta 6 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. Two alternative transcripts encoding different isoforms have been identified; both isoforms are processed to yield the same mature subunit. [provided by RefSeq]
Other Designations	OTTHUMP00000029423 OTTHUMP00000062982 low molecular mass protein 2 macropain chain 7 multicatalytic endopeptidase complex chain 7 proteasome beta 9 subunit proteasome catalytic subunit 1i proteasome chain 7 proteasome subunit beta 6i proteasome-related ge

Pathway

- [Proteasome](#)

Disease

- [Acute Disease](#)
- [Alveolitis](#)

- [Alzheimer disease](#)
- [Arthritis](#)
- [Brucellosis](#)
- [Cadaver](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Coronary Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Diseases in Twins](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hypertension](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Multiple Sclerosis](#)
- [Papillomavirus Infections](#)
- [Psoriasis](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
- [Uterine Cervical Neoplasms](#)