

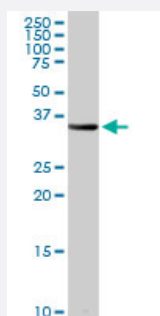
MaxPab®

PSMB8 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005696-D01

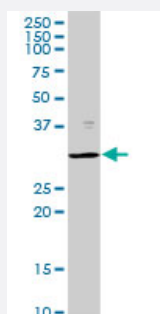
Size 100 uL

Applications



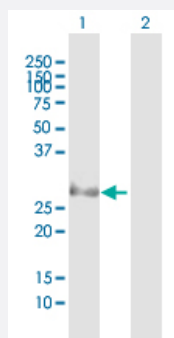
Western Blot (Tissue lysate)

PSMB8 MaxPab rabbit polyclonal antibody. Western Blot analysis of PSMB8 expression in human kidney.



Western Blot (Tissue lysate)

PSMB8 MaxPab rabbit polyclonal antibody. Western Blot analysis of PSMB8 expression in mouse liver.

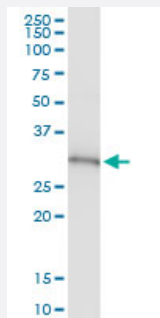


Western Blot (Transfected lysate)

Western Blot analysis of PSMB8 expression in transfected 293T cell line ([H00005696-T01](#)) by PSMB8 MaxPab polyclonal antibody.

Lane 1: PSMB8 transfected lysate(29.80 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PSMB8 transfected lysate using anti-PSMB8 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PSMB8 purified MaxPab mouse polyclonal antibody (B01P) ([H00005696-B01P](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PSMB8 protein.
Immunogen	PSMB8 (NP_004150.1, 1 a.a. ~ 272 a.a) full-length human protein.
Sequence	MLIGTPTPRDTPSSWLTSSLLVEAAPLDDTLPTPVSSGCPGLEPTEFFQSLGGDGERNVQIEM AHGTTTLAFKFQHGVIAAVDSRASAGSYISALRVNKKVIEINPYLLGTMSGCAADCQYWERLLAKEC RLYYLRNGERISVSAASKLLSNMMCQYRGMGLSMGSMICGWDKKGPGLYYVDEHGTRLSGNMFS TGSNTYAYGVMDSGYRPNLSPEEAYDLGRRAIAYATHRDSYSGGVNMYHMKEDGWVKVEST DVSDLLHQYREANQ
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PSMB8 MaxPab rabbit polyclonal antibody. Western Blot analysis of PSMB8 expression in human kidney.

[Protocol Download](#)

- Western Blot (Tissue lysate)

PSMB8 MaxPab rabbit polyclonal antibody. Western Blot analysis of PSMB8 expression in mouse liver.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PSMB8 expression in transfected 293T cell line ([H00005696-T01](#)) by PSMB8 MaxPab polyclonal antibody.

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- Immunoprecipitation

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[Protocol Download](#)

Gene Info — PSMB8

Entrez GeneID	5696
GeneBank Accession#	NM_004159
Protein Accession#	NP_004150.1
Gene Name	PSMB8
Gene Alias	D6S216, D6S216E, LMP7, MGC1491, PSMB5i, RING10, beta5i
Gene Description	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)
Omim ID	177046
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 3 (proteasome beta 5 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. Two alternative transcripts encoding two isoforms have been identified; both isoforms are processed to yield the same mature subunit. [provided by RefSeq]

Other Designations

OTTHUMP00000029420|OTTHUMP00000029421|OTTHUMP00000062981|low molecular weight protein 7|macropain subunit C13|multicatalytic endopeptidase complex subunit C13|protease component C13|proteasome (prosome, macropain) subunit beta type 8 (large multifunctiona

Pathway

- [Proteasome](#)

Disease

- [Acute Disease](#)
- [Alveolitis](#)
- [Arthritis](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Brucellosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Diseases in Twins](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hypertension](#)
- [Infant](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Papillomavirus Infections](#)
- [Psoriasis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
- [Uterine Cervical Neoplasms](#)