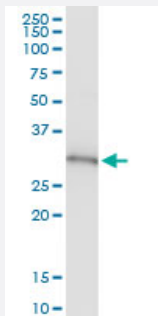


PSMB8 (Human) IP-WB Antibody Pair

Catalog # H00005696-PW1

Size 1 Set

Applications



Immunoprecipitation of PSMB8 transfected lysate using rabbit polyclonal anti-PSMB8 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-PSMB8.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90%); Rat (90%)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of PSMB8 transfected lysate using rabbit polyclonal anti-PSMB8 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-PSMB8.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-PSMB8 (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-PSMB8 (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — PSMB8

Entrez GeneID	5696
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](#)