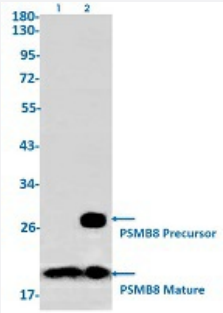
RecomAb™

PSMB8 recombinant monoclonal antibody, clone R09-1H1

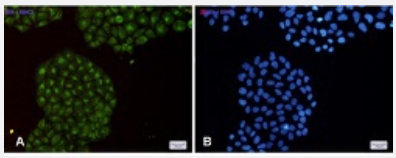
Catalog # RAB02130 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: 3T3 and Lane 2: Hela lysates with PSMB8 recombinant monoclonal antibody, clone R09-1H1 (Cat # RAB02130).



Immunocytochemistry

Immunocytochemical staining of Hela with PSMB8 recombinant monoclonal antibody, clone R09-1H1 (Cat # RAB02130). (A) PSMB8 (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PSMB8.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PSMB8.
Theoretical MW (kDa)	Calculated MW: 30 kD
Reactivity	Human, Mouse
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence(1:50-1:200) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western Blot analysis of Lane 1: 3T3 and Lane 2: Hela lysates with PSMB8 recombinant monoclonal antibody, clone R09-1H1 (Cat # RAB02130).

- Immunocytochemistry

  Immunocytochemical staining of Hela with PSMB8 recombinant monoclonal antibody, clone R09-1H1 (Cat # RAB02130). (A) PSMB8 (green) and (B) DAPI (blue).

- Immunofluorescence

- Immunoprecipitation

Gene Info — PSMB8

Entrez GeneID	5696
Protein Accession#	P28062
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