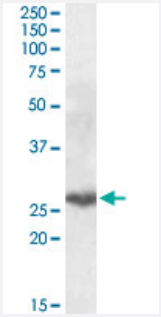
PSMB10 polyclonal antibody

Catalog # PAB14399 Size 100 ug

Applications



Western Blot (Tissue lysate)

PSMB10 polyclonal antibody (Cat # PAB14399) (0.3 ug/mL) staining of human lung lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PSMB10.
Immunogen	A synthetic peptide corresponding to human PSMB10.
Sequence	C-PTEPVKRSGRYH
Host	Goat
Theoretical MW (kDa)	28.9
Reactivity	Human
Specificity	Approx 26 KDa band observed in human, liver, lung and lymph node lysates (calculated MW of 28.9 KDa according to NP_002792.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:8000) Western Blot (0.3-1 ug/mL).) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
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

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PSMB10

Entrez GeneID	5699
Protein Accession#	NP_002792.1
Gene Name	PSMB10
Gene Alias	LMP10, MECL1, MGC1665, beta2i
Gene Description	proteasome (prosome, macropain) subunit, beta type, 10
Omim ID	176847
Gene Ontology	Hyperlink
Gene Summary	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S cor e structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are co mposed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distri buted 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 membe r of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Proteolytic processing is required to generate a mature subunit. Expression of this gene is induce d by gamma interferon, and this gene product replaces catalytic subunit 2 (proteasome beta 7 su bunit) in the immunoproteasome. [provided by RefSeq

Other Designations	macropain subunit MECI-1|multicatalytic endopeptidase complex subunit MECI-1|proteasome MECI-1|proteasome beta 10 subunit|proteasome catalytic subunit 2i|proteasome subunit MECL1|proteasome subunit beta 7i

Publication Reference

- CD40 induces antigen transporter and immunoproteasome gene expression in carcinomas via the coordinated action of NF-kappaB and of NF-kappaB-mediated de novo synthesis of IRF-1.

  Moschonas A, Kouraki M, Knox PG, Thymiakou E, Kardassis D, Eliopoulos AG.

  Molecular and Cellular Biology 2008 Oct; 28(20):6208.

Pathway

- Proteasome

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema