Datasheet for ABIN453317

anti-PSME2 antibody (C-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	PSME2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the C-terminal region of human PSME2
Specificity:	This antibody reacts to PSME2.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation

Target Details

Target:	PSME2
Alternative Name:	PSME2 / REG-beta (PSME2 Products)
Background:	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase

Target Details

	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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. PSME2 is the beta subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon.Synonyms: 11S regulator complex subunit beta, Activator of multicatalytic protease subunit 2, PA28b, PA28beta, Proteasome activator, Proteasome activator 28 subunit beta, Proteasome activator complex subunit 2
Gene ID:	5721
NCBI Accession:	NP_002809
UniProt:	Q9UL46
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Positive Regulation of Endopeptidase Activity, Synthesis of DNA

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

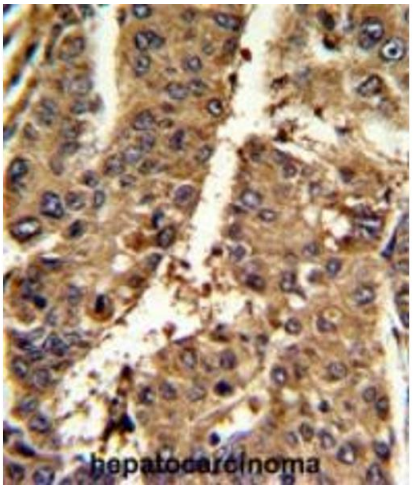
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

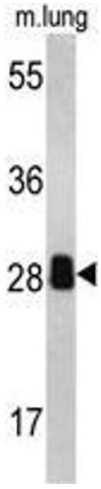
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded mouse hepatocarcinoma reacted withAP17686PU-N PSME2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody



Western Blotting

Image 2. Western blot analysis of PSME2 antibody (C-term) in mouse lung tissue lysates (35ug/lane). PSME2 (arrow) was detected using the purified Pab.