



PSA7 mouse mAb

Catalog No	YP-mAb-11987
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PSMA7 HSPC
Immunogen	Synthesized peptide derived from human PSA7 AA range: 168-218
Specificity	This antibody detects endogenous levels of PSA7 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C6;HSPC;Proteasome subunit alpha type-7;Proteasome subunit RC6-1;RC6 1; PSA7;PSMA7 HSPC
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm . Nucleus . Translocated from the cytoplasm into the nucleus following interaction with AKIRIN2, which bridges the proteasome with the nuclear import receptor IPO9. .
Tissue Specificity	
Function	alternative products:Experimental confirmation may be lacking for some isoforms,catalytic activity:Cleavage of peptide bonds with very broad specificity., function:The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity.,similarity:Belongs to the peptidase T1A family.,subunit:The 26S proteasome consists of a 20S proteasome core and two 19S regulatory subunits. The 20S proteasome core is composed of 28 subunits that are arranged in four stacked rings, resulting in a barrel-shaped structure. The two end rings are each formed by seven alpha subunits, and the



two central rings are each formed by seven beta subunits.,subunit:The 26S proteasome consists of a 20S proteasome core and two 19S

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. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. This gene encodes a member of the peptidase T1A family that functions as a 20S core alpha subunit. The encoded protein interacts with the hepatitis B virus X protein and plays a role in regulating hepatitis C virus internal ribosome entry site (IRES) activity, an activity essential for viral replication. The encoded protein also plays a role in the cellular stress response by regulating hypoxia-inducible factor-1alpha. A pseudogene of this gene is located on the long arm of chromosome 9. [provided by RefSeq, Jul 2012],

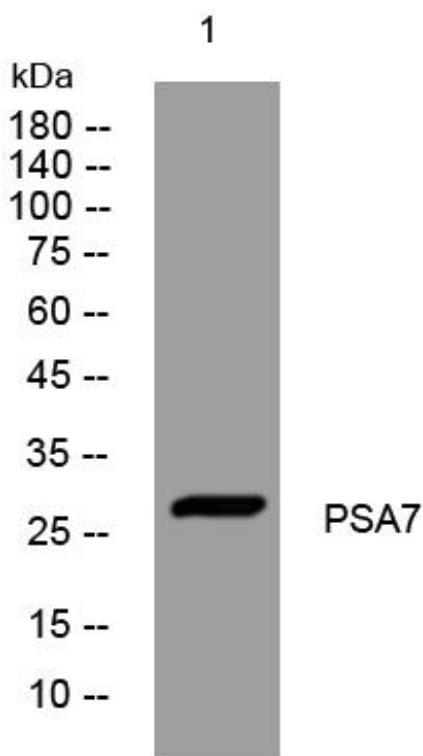
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PSA7 mouse mAb