



PSMD1 rabbit pAb

Catalog No	YP-Ab-08110
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	PSMD1
Immunogen	Synthesized peptide derived from human PSMD1 AA range: 192-242
Specificity	This antibody detects endogenous levels of PSMD1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.225% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PSMD 1; 26S proteasome non-ATPase regulatory subunit 1; PSMD1; 26S proteasome non-ATPase regulatory subunit 1 (26S proteasome regulatory subunit RPN2) (26S proteasome regulatory subunit S1) (26S proteasome subunit p112)
Observed Band	105kD
Calculated Molecular Weight	105kD
Cell Pathway	proteasome complex, nucleus, nucleoplasm, cytosol, proteasome regulatory particle, proteasome regulatory particle, base subcomplex, membrane, integral component of membrane, proteasome accessory complex, proteasome storage granule, extracellular exosome,
Tissue Specificity	Cervix, Epithelium, Hepatocyte, Liver, Lymph, Placenta, Testis, Uterus,
Function	function: Acts as a regulatory subunit of the 26 proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins., sequence caution: Contaminating sequence. Potential poly-A sequence., similarity: Belongs to the proteasome subunit S1 family., similarity: Contains 10 PC repeats., subunit: Interacts with ADRM1.,



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 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 the largest non-ATPase subunit of the 19S regulator lid, which is responsible for substrate recognition and binding. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jul 2010],

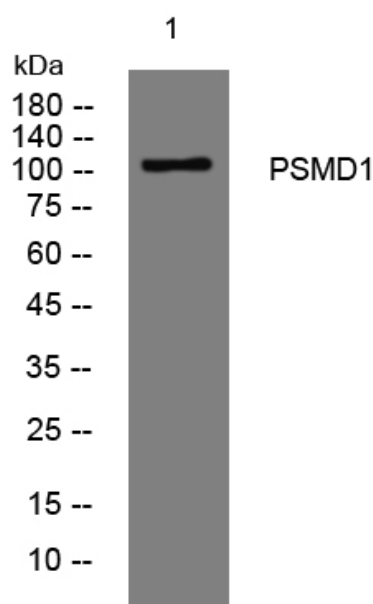
matters needing attention

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 lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night