



PSME1 rabbit pAb

Catalog No	YP-Ab-08424
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	PSME1 IFI5111
Immunogen	Synthesized peptide derived from human PSME1 AA range: 60-110
Specificity	This antibody detects endogenous levels of PSME1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% 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	IFI5111; IGUP I 5111; PA28A; PA28alpha; PSME1; REG alpha; REGalpha; PSME1 IFI5111
Observed Band	
Calculated Molecular Weight	
Cell Pathway	proteasome complex, nucleoplasm, cytoplasm, cytosol, proteasome activator complex, extracellular exosome,
Tissue Specificity	
Function	caution: The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data., function: Implicated in immunoproteasome assembly and required for efficient antigen processing. The PA28 activator complex enhances the generation of class I binding peptides by altering the cleavage pattern of the proteasome., induction: By interferon gamma., similarity: Belongs to the PA28 family., subunit: Heterodimer of PSME1 and PSME2, which forms a hexadimeric ring. PSME1 can form homoheptamers.,



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. 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. This gene encodes the alpha subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three alpha and three beta subunits combine to form a heterohexameric ring. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],

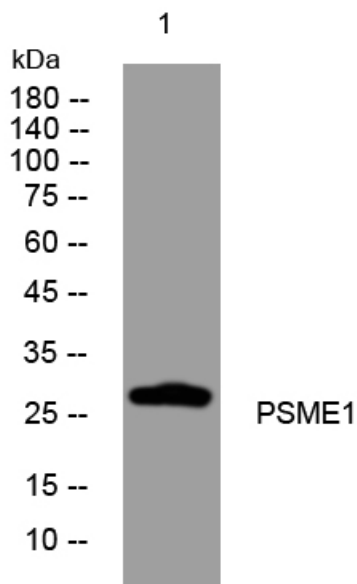
matters needing attention

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 SW480 cells, primary antibody was diluted at 1:1000, 4° over night