

PSME2 Polyclonal Antibody

Catalog number: 12937-2-AP

Size: 34 µg/150 µl

Source: Rabbit

Isotype: IgG

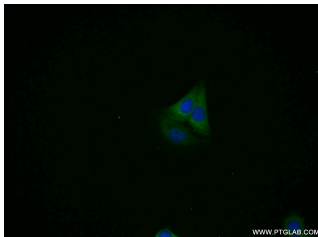
Synonyms:

PSME2; PA28B, PA28beta,

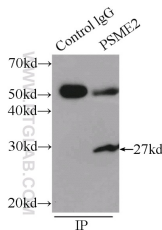
PSME2, REG beta, REGbeta



HepG2 cells were subjected to SDS PAGE followed by western blot with 12937-2-AP(PSME2 antibody) at dilution of 1:500



Immunofluorescent analysis of MCF-7 cells using 12937-2-AP(PSME2 Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP Result of anti-PSME2 (IP:12937-2-AP, 4µg; Detection:12937-2-AP 1:500) with MCF-7 cells lysate 2000µg.

Background

The principal function of the proteasome is targeted degradation of intracellular proteins. Activity of the 20S proteasome is controlled by regulatory complexes that bind to the ends of the cylindrical proteasome. 11S regulator (REG or PA28), is a complex of 28 kDa subunits that is thought to activate proteasomes toward the production of antigenic peptides. Human PSME1 and PSME2 genes encode the two proteasome activators PA28 alpha and beta, respectively, which have been implicated in antigen processing for loading class I MHC molecules. The PA28 activator complex enhances the generation of class I binding peptides by altering the cleavage pattern of the proteasome.

Applications

Tested applications:	ELISA, WB, IP, IF
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated PSME2 MW:	239aa,27 kDa
Observed PSME2 MW:	27kd
Positive WB detected in	HepG2 cells, human brain tissue, human kidney tissue, human placenta tissue, MCF7 cells, mouse pancreas tissue, Raji cells
Positive IP detected in	MCF-7 cells
Positive IF detected in	MCF-7 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3986
GenBank accession number:	BC019885
Gene ID (NCBI):	5721
Full name:	Proteasome (prosome, macropain) activator subunit 2 (PA28 beta)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.