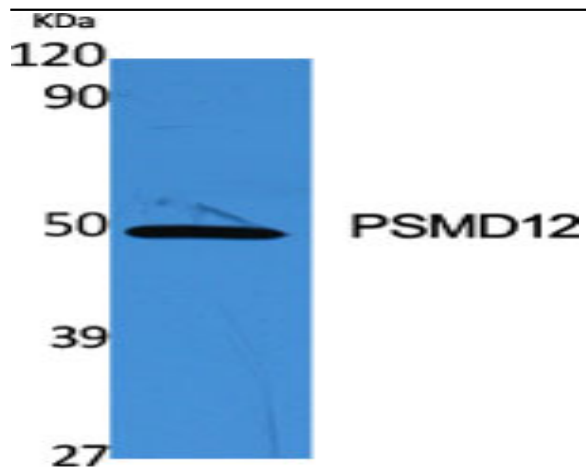


PSMD12 Polyclonal Antibody

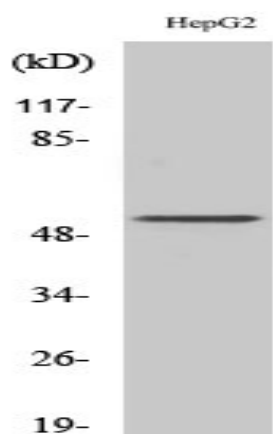
Catalog No :	YT3887
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	PSMD12
Fields :	>>Proteasome;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Spinocerebellar ataxia;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Epstein-Barr virus infection
Gene Name :	PSMD12
Protein Name :	26S proteasome non-ATPase regulatory subunit 12
Human Gene Id :	5718
Human Swiss Prot No :	O00232
Mouse Gene Id :	66997
Mouse Swiss Prot No :	Q9D8W5
Immunogen :	The antiserum was produced against synthesized peptide derived from human PSMD12. AA range:151-200
Specificity :	PSMD12 Polyclonal Antibody detects endogenous levels of PSMD12 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	<u>1 mg/ml</u>
Storage Stability :	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
Observed Band :	<u>50kD</u>
Cell Pathway :	<u>Proteasome;</u>
Background :	<p>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 a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 3. Alternatively spliced transcript variants encoding</p> <hr/>
Function :	<p>function:Acts as a regulatory subunit of the 26S proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins.,similarity:Belongs to the proteasome subunit p55 family.,similarity:Contains 1 PCI domain.,subunit:Component of the PA700 complex.,</p> <hr/>
Subcellular Location :	<p>proteasome complex,nucleoplasm,cytoplasm,cytosol,proteasome regulatory particle,proteasome regulatory particle, lid subcomplex,membrane,proteasome accessory complex,nuclear proteasome complex,extracellular exosome,</p> <hr/>
Expression :	<u>Brain,Muscle,Platelet,Testis,Tongue,</u>

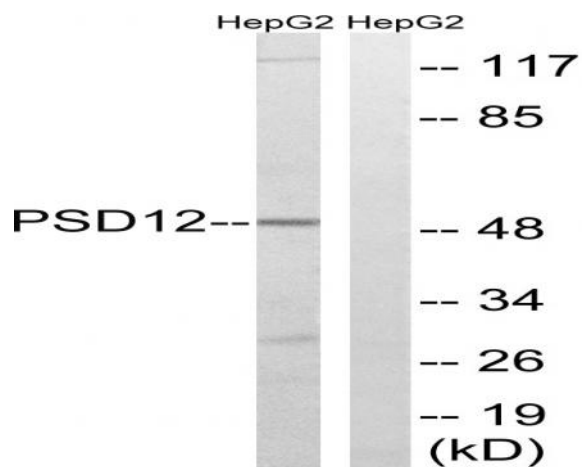
Products Images



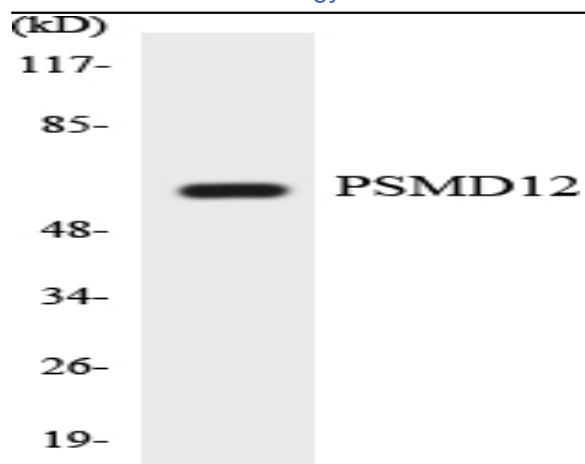
Western Blot analysis of various cells using PSMD12 Polyclonal Antibody



Western Blot analysis of HepG2 cells using PSMD12 Polyclonal Antibody



Western blot analysis of lysates from HepG2 cells, using PSMD12 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using PSMD12 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).