

## PSMG2 Polyclonal antibody

Catalog Number: 10959-1-AP

## Basic Information

<b>Catalog Number:</b> 10959-1-AP	<b>GenBank Accession Number:</b> BC013356	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 56984	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q969U7	
<b>Isotype:</b> IgG	<b>Full Name:</b> proteasome (prosome, macropain) assembly chaperone 2	
<b>Immunogen Catalog Number:</b> AG1400	<b>Calculated MW:</b> 29 kDa	
	<b>Observed MW:</b> 29 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, Jurkat cells
<b>Species Specificity:</b> human	

## Background Information

Proteasome assembly chaperone 2 (PSMG2), also named as Hepatocellular carcinoma-susceptibility protein 3, Tumor necrosis factor superfamily member 5-induced protein 1. It has a function as a chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG1. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization. It is widely expressed with highest levels in lung, brain and colon, moderately expressed in muscle, stomach, spleen and heart and weakly expressed in small intestine, pancreas and liver, highly expressed in hepatocellular carcinomas with low levels in surrounding liver tissue. Molecular mass of PSMG2 is 29kD.

## Storage

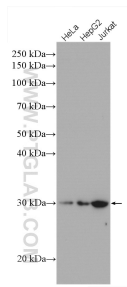
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
 Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10959-1-AP (PSMG2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.