

For Research Use Only

PSMG2 Polyclonal antibody

Catalog Number:10959-1-AP



Basic Information

Catalog Number:

10959-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1400

GenBank Accession Number:

BC013356

GeneID (NCBI):

56984

UNIPROT ID:

Q969U7

Full Name:

proteasome (prosome, macropain)
assembly chaperone 2

Calculated MW:

29 kDa

Observed MW:

29 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells

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

For technical support and original validation data for this product please contact:

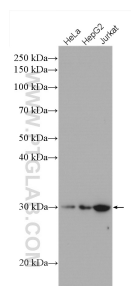
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.