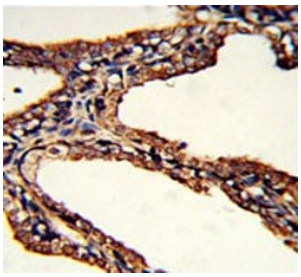
PSMB9 Antibody / Proteasome subunit beta type-9 (F54978)

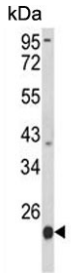
Catalog No.	Formulation	Size
F54978-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54978-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

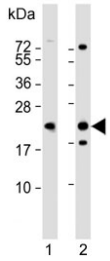
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P28065
Localization	Cytoplasmic, nuclear
Applications	Flow cytometry: 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE): 1:50-1:100 Western blot: 1:500-1:1000
Limitations	This PSMB9 antibody is available for research use only.



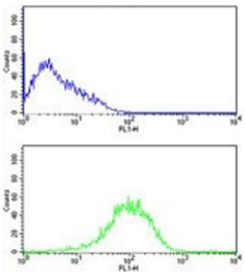
IHC testing of FFPE human prostate carcinoma tissue with PSMB9 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human HL60 cell lysate with PSMB9 antibody. Predicted molecular weight ~23 kDa.



Western blot testing of human 1) A431 and 2) Raji cell lysate with PSMB9 antibody. Predicted molecular weight ~23 kDa.



Flow cytometry testing of human HL60 cells with PSMB9 antibody; Blue=isotype control, Green= PSMB9 antibody.

Description

PSMB9 is a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides.

Application Notes

The stated application concentrations are suggested starting points. Titration of the PSMB9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 193-219 from the human protein was used as the immunogen for the PSMB9 antibody.

Storage

Aliquot the PSMB9 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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