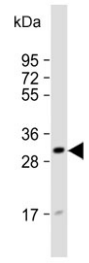
CD82 Antibody (F54421)

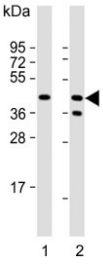
Catalog No.	Formulation	Size
F54421-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54421-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

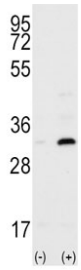
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	P27701
Applications	Immunohistochemistry (FFPE): 1:25 Flow cytometry: 1:25 (1x10e6 cells) Western blot: 1:500-1:2000
Limitations	This CD82 antibody is available for research use only.



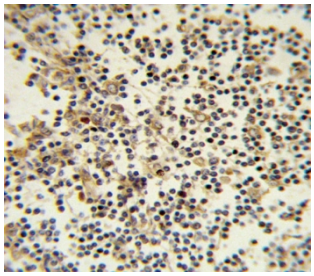
Western blot testing of human Jurkat cell lysate with CD82 antibody. Expected molecular weight: 30-60 kDa depending on glycosylation level.



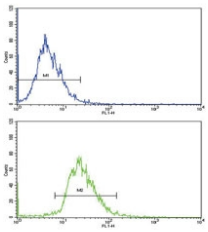
Western blot testing of human 1) Jurkat and 2) Raji cell lysate with CD82 antibody. Expected molecular weight: 30-60 kDa depending on glycosylation level.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with CD82 antibody.



IHC testing of FFPE human lymph tissue with CD82 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HepG2 cells with CD82 antibody; Blue=isotype control, Green= CD82 antibody.

Description

The ST6 metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients.

Application Notes

The stated application concentrations are suggested starting points. Titration of the CD82 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 239-267 from the human protein was used as the immunogen for the CD82 antibody.

Storage

Aliquot the CD82 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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