

Rabbit anti-Human, mouse CD82 (ST6) Polyclonal Antibody | anti-CD82 antibody

CD82 (ST6) Antibody (C-term)

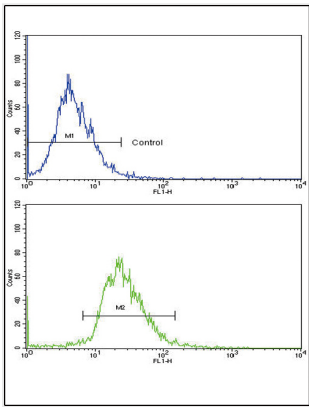
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285757	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

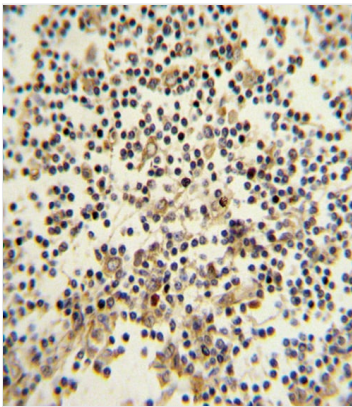
CD82 (ST6); Polyclonal Antibody; CD82 (ST6) Antibody (C-term); CD82 antigen; C33 antigen; IA4; Inducible membrane protein R2; Metastasis suppressor Kangai-1; Suppressor of tumorigenicity 6 protein; Tetraspanin-27; Tspan-27; CD82; KAI1; SAR2; ST6; TSPAN27; anti-CD82 antibody

PRODUCT SPECIFICATIONS

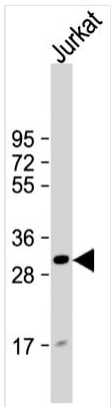
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This CD82 (ST6) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 239-267 amino acids from the C-terminal region of human CD82 (ST6).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	239-267
Sequence Length	242
Applicable Applications for anti-CD82 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway.
Cellular Location	Cell membrane; Multi-pass membrane protein
!Tissue Location	Lymphoid specific.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



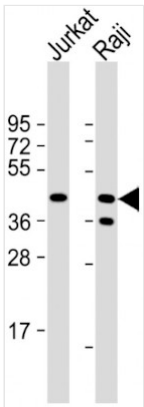
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HepG2 cells using CD82 (ST6) Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



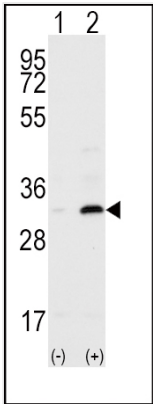
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lymph with CD82 (ST6) Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Anti-ST6 Antibody (C253) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 ug per lane.Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 30 kDaBlocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
All lanes : Anti-ST6 Antibody (C253) at 1:1000 dilutionLane 1: Jurkat whole cell lysateLane 2: Raji whole cell lysate Lysates/proteins at 20 ug per lane.Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 30 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
Western blot analysis of ST6 (arrow) using ST6 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD82 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-CD82 antibody	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.
Product Categories/Family for anti-CD82 antibody	Cancer; Immunology
References	Zhang, X.A., et al., J. Biol. Chem. 278(29):27319-27328 (2003). Zhang, X.A., et al., Cancer Res. 63(10):2665-2674 (2003). Yang, J., et al., Ai Zheng 22(5):533-536 (2003). Sauer, G., et al., Oncol. Rep. 10(2):405-410 (2003). Ito, Y., et al., Pathol Res Pract 199(2):79-83 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782354
NCBI GeneID	3732
NCBI Accession #	NP_001020015.1; NP_002222.1
NCBI GenBank Nucleotide #	NM_001024844.1
UniProt Accession #	P27701; Q7Z2D4; Q7Z5N2; D3DQN6; E9PC70
Molecular Weight	29626
NCBI Official Full Name	CD82 antigen isoform 2
NCBI Official Synonym Full Names	CD82 molecule
NCBI Official Symbol	CD82
NCBI Official Synonym Symbols	R2; 4F9; C33; IA4; ST6; GR15; KAI1; SAR2; TSPAN27
NCBI Protein Information	CD82 antigen
UniProt Protein Name	CD82 antigen
UniProt Gene Name	CD82
UniProt Synonym Gene Names	KAI1; SAR2; ST6; TSPAN27; Tspan-27
UniProt Entry Name	CD82_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.