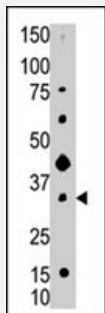


CD82 polyclonal antibody

Catalog # PAB4830

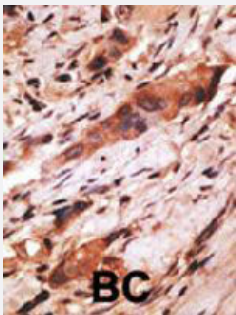
Size 400 uL

Applications



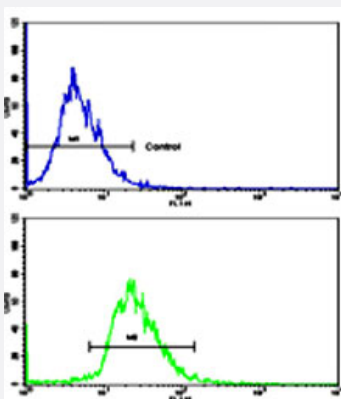
Western Blot (Tissue lysate)

The CD82 polyclonal antibody (Cat # PAB4830) is used in Western blot to detect CD82 in mouse liver tissue lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with CD82 polyclonal antibody (Cat # PAB4830), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.



Flow Cytometry

Flow cytometric analysis of HepG2 cells using CD82 polyclonal antibody (Cat # PAB4830) (bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CD82.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CD82.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The CD82 polyclonal antibody (Cat # PAB4830) is used in Western blot to detect CD82 in mouse liver tissue lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with CD82 polyclonal antibody (Cat # PAB4830), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HepG2 cells using CD82 polyclonal antibody (Cat # PAB4830)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Gene Info — CD82

Entrez GeneID

[3732](#)

Protein Accession#	NP_002222
Gene Name	CD82
Gene Alias	4F9, C33, GR15, IA4, KAI1, R2, SAR2, ST6, TSPAN27
Gene Description	CD82 molecule
Omim ID	176807 600623
Gene Ontology	Hyperlink
Gene Summary	This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene 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. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]
Other Designations	C33 antigen CD82 antigen R2 leukocyte antigen inducible membrane protein R2 kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4)) suppression of tumorigenicity 6 suppress

Publication Reference

- [EWI2/PGRL associates with the metastasis suppressor KAI1/CD82 and inhibits the migration of prostate cancer cells.](#)

Zhang XA, Lane WS, Charrin S, Rubinstein E, Liu L.
Cancer Research 2003 May; 63(10):2665.

Application: IP, WB, Human, Jurkat cells
- [Requirement of the p130CAS-Crk coupling for metastasis suppressor KAI1/CD82-mediated inhibition of cell migration.](#)

Zhang XA, He B, Zhou B, Liu L.
The Journal of Biological Chemistry 2003 Jul; 278(29):27319.

Application: Flow Cyt, Human, DU145 cells
- [\[Role of tumor metastasis suppressor gene KAI1 in development of colorectal cancer\].](#)

Yang J, Liu FX, Yan XC, He GY, Liu LM.
Ai Zheng 2003 May; 22(5).

Pathway

- [p53 signaling pathway](#)