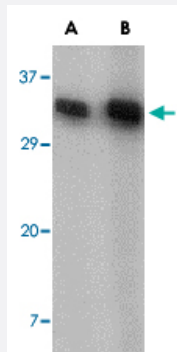


CD82 polyclonal antibody

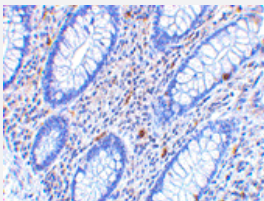
Catalog # PAB12987 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of CD82 in A-549 cell lysate with CD82 polyclonal antibody (Cat # PAB12987) at (A) 0.5 and (B) 1 ug/mL .



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

Immunohistochemistry of CD82 in human colon tissue with CD82 polyclonal antibody (Cat # PAB12987) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CD82.
Immunogen	A synthetic peptide corresponding to C-terminus 15 amino acids of human CD82.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. 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 (Cell lysate)

Western blot analysis of CD82 in A-549 cell lysate with CD82 polyclonal antibody (Cat # PAB12987) at (A) 0.5 and (B) 1 ug/mL .

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

Immunohistochemistry of CD82 in human colon tissue with CD82 polyclonal antibody (Cat # PAB12987) at 2.5 ug/mL .

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

- [KAI1, a metastasis suppressor gene for prostate cancer on human chromosome 11p11.2.](#)

Dong JT, Lamb PW, Rinker-Schaeffer CW, Vukanovic J, Ichikawa T, Isaacs JT, Barrett JC.

Science 1995 May; 268(5212):884.

Application: WB-Ce, WB-Ti, Human, DU 145, LNCaP, PC-3, Prostate tissues, TSU-Pr1 cells

- [A member of the tetra spans transmembrane protein superfamily is recognized by a monoclonal antibody raised against an HLA class I-deficient, lymphokine-activated killer-susceptible, B lymphocyte line. Cloning and preliminary functional studies.](#)

Gil ML, Vita N, Lebel-Binay S, Miloux B, Chalon P, Kaghad M, Marchiol-Fournigault C, Conjeaud H, Caput D, Ferrara P, et al.

The Journal of Immunology 1992 May; 148(9):2826.

Application: IF, Human, U937 cells

- [A new superfamily of lymphoid and melanoma cell proteins with extensive homology to Schistosoma mansoni antigen Sm23.](#)

Gaugitsch HW, Hofer E, Huber NE, Schnabl E, Baumruker T.

European Journal of Immunology 1991 Feb; 21(2):377.

Pathway

- [p53 signaling pathway](#)