

Anti-CD82 Picoband Antibody
Catalog # ABO11865**Specification**

Anti-CD82 Picoband Antibody - Product Information

Application	WB, IHC
Primary Accession	P27701
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for CD82 antigen(CD82) detection. Tested with WB, IHC-P in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CD82 Picoband Antibody - Additional Information

Gene ID 3732

Other Names

CD82 antigen, C33 antigen, IA4, Inducible membrane protein R2, Metastasis suppressor Kangai-1, Suppressor of tumorigenicity 6 protein, Tetraspanin-27, Tspan-27, CD82, CD82, KAI1, SAR2, ST6, TSPAN27

Calculated MW

29626 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Membrane; Multi-pass membrane protein.

Tissue Specificity

Lymphoid specific.

Protein Name

CD82 antigen

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

E.coli-derived human CD82 recombinant protein (Position: A98-Y267). Human CD82 shares 69% and 67% amino acid (aa) sequences identity with mouse and rat CD82, respectively.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the tetraspanin (TM4SF) family.

Anti-CD82 Picoband Antibody - Protein Information

Name CD82

Synonyms KAI1, SAR2, ST6, TSPAN27

Function

Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway.

Cellular Location

Cell membrane; Multi-pass membrane protein

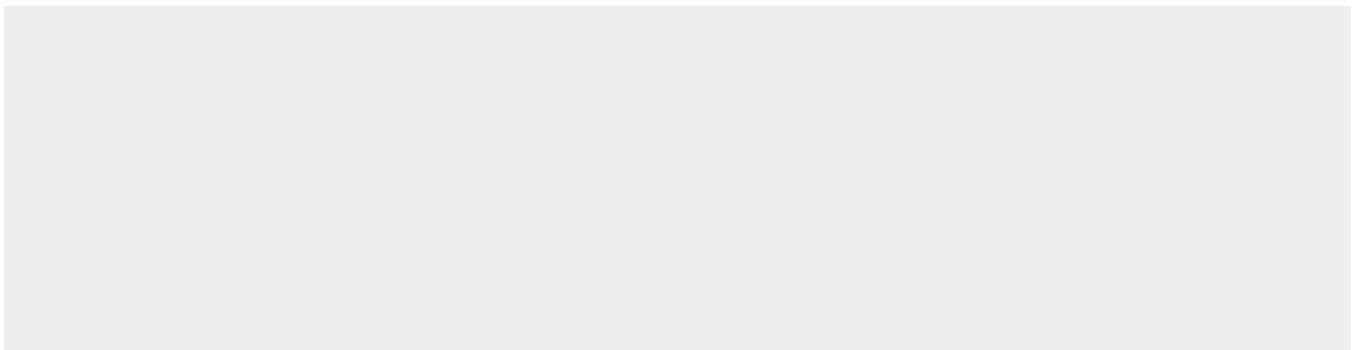
Tissue Location

Lymphoid specific.

Anti-CD82 Picoband Antibody - Protocols

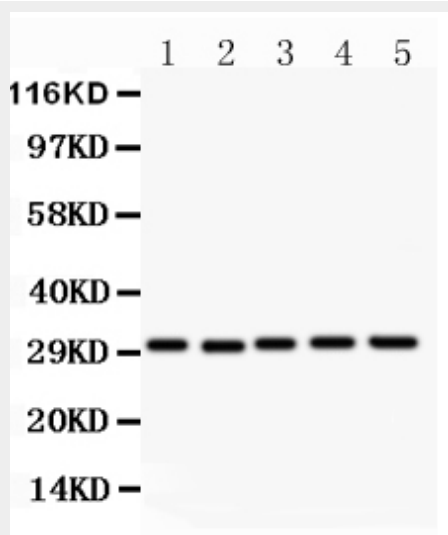
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

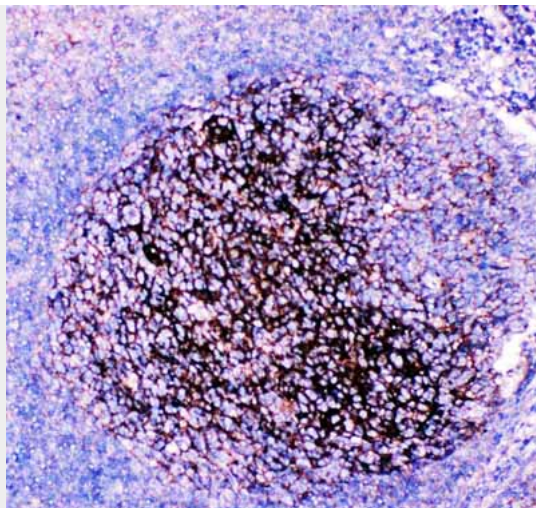
Anti-CD82 Picoband Antibody - Images



Anti-CD82 Picoband antibody, ABO11865, Western blotting All lanes: Anti CD82 (ABO11865) at 0.5ug/ml WB: Recombinant Human CD82 Protein 0.5ng Predicted bind size: 36KD Observed bind size: 36KD



Anti- CD82 Picoband antibody, ABO11865, Western blotting All lanes: Anti CD82 (ABO11865) at 0.5ug/ml Lane 1: HL-60 Whole Cell Lysate at 40ug Lane 2: CEM Whole Cell Lysate at 40ug Lane 3: HUT Whole Cell Lysate at 40ug Lane 4: U937 Whole Cell Lysate at 40ug Lane 5: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 30KD Observed bind size: 30KD



Anti-CD82 Picoband antibody, ABO11865, IHC(P)IHC(P): Human Tonsil Tissue

Anti-CD82 Picoband Antibody - Background

CD82(Cluster of Differentiation 82), also named KAI1, is a protein that in humans encoded by the CD82 gene. The gene is mapped to 11p11.2. 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. The expression of CD82 protein appears to be correlated with lymph node metastasis in esophageal squamous cell carcinoma(ESCC). And the CD82 overexpression can suppress tumor invasiveness and metastatic potential by inducing MMP9 inactivation via upregulation of TIMP1.