# Rabbit CD82 antigen Polyclonal Antibody | anti-CD82 antibody

Anti-CD82 Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA46073** | **Rabbit** | **Human. No cross reactivity with other proteins.** | **Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

CD82 antigen; Polyclonal Antibody; Anti-CD82 Antibody; 4F9 antibody; Antigen detected by monoclonal and antibody IA4 antibody; C33 antibody; C33 antigen antibody; CD 82 antibody; CD82 antibody; Cd82 antibody; CD82 antigen antibody; CD82 molecule antibody; CD82_HUMAN antibody; GR 15 antibody; GR15 antibody; IA 4 antibody; IA4 antibody; Inducible membrane protein antibody; Inducible membrane protein R2 antibody; KAI 1 antibody; KAI1 antibody; Kangai 1 (suppression of tumorigenicity 6; prostate; CD82 antigen (R2 leukocyte antigen; antigen detected by monoclonal and antibody IA4)) antibody; Kangai 1 antibody; Kangai1 antibody; Leukocyte surface antigen R2 antibody; Metastasis suppressor Kangai 1 antibody; Metastasis suppressor Kangai-1 antibody; Metastasis suppressor Kangai1 antibody; Prostate cancer antimetastasis gene KAI1 antibody; R2 antibody; R2 leukocyte antigen antibody; SAR 2 antibody; SAR2 antibody; ST 6 antibody; ST6 antibody; Suppression of tumorigenicity 6 antibody; Suppression of tumorigenicity 6 prostate antibody; Suppressor of tumorigenicity 6 antibody; Suppressor of tumorigenicity 6 protein antibody; Tetraspanin 27 antibody; Tetraspanin-27 antibody; Tetraspanin27 antibody; Tspan 27 antibody; Tspan-27 antibody; Tspan27 antibody; CD82 molecule; anti-CD82 antibody

## PRODUCT SPECIFICATIONS

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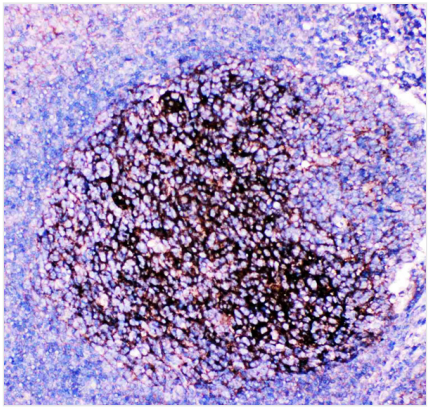
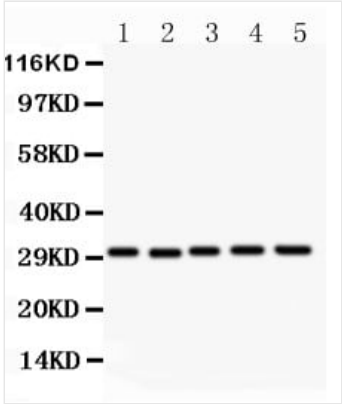
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human. No cross reactivity with other proteins. |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Purity/Purification** | Immunogen affinity purified. |
| **Form/Format** | Lyophilized<br>Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3. |
| **Sequence Length** | 242 |
| **Applicable Applications for anti-CD82 antibody** | IHC (Immunohistochemistry), WB (Western Blot) |
| **Reconstitution** | Add 0.2ml of distilled water will yield a concentration of 500ug/ml. |
| **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. |
| **Preparation and Storage** | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

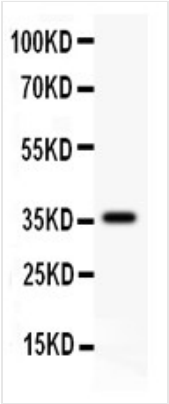
## IMAGES



**IHC (Immunohistochemisry)**
Anti-CD82 Picoband antibody, AAA46073, IHC(P)IHC(P): Human Tonsil Tissue




**WB (Western Blot)**
Anti- CD82 Picoband antibody, AAA46073, Western blottingAll lanes: Anti CD82 (AAA46073) at 0.5ug/mlLane 1: HL-60 Whole Cell Lysate at 40ugLane 2: CEM Whole Cell Lysate at 40ugLane 3: HUT Whole Cell Lysate at 40ugLane 4: U937 Whole Cell Lysate at 40ugLane 5: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 30KDObserved bind size: 30KD




**WB (Western Blot)**
Anti-CD82 Picoband antibody, AAA46073, Western blottingAll lanes: Anti CD82 (AAA46073) at 0.5ug/mlWB: Recombinant Human CD82 Protein 0.5ngPredicted bind size: 36KDObserved bind size: 36KD

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-CD82 antibody** | **Description:** Rabbit IgG polyclonal antibody for CD82 antigen(CD82) detection. Tested with WB, IHC-P in Human. **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. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 67782354 |
| **NCBI GeneID** | 3732 |
| **NCBI Accession #** | NP_001020015.1 |
| **NCBI GenBank Nucleotide #** | NM_001024844.1 |
| **UniProt Accession #** | P27701; Q7Z2D4; Q7Z5N2; D3DQN6; E9PC70 |

| | |
|---|---|
| **Molecular Weight** | 26,818 Da |
| **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; tspan-27; C33 antigen; tetraspanin-27; inducible membrane protein R2; metastasis suppressor Kangai-1; kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4)) |
| **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.

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Online datasheet: https://www.aaabiotech.com/polyclonal/cd82-antigen-antibody-immunohistochemistry-western-blot-elisa/46073