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Datasheet for ABIN3043486
anti-CD82 antibody (AA 98-267)

4 Images

Overview

Quantity:	100 µg
Target:	CD82
Binding Specificity:	AA 98-267
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD82 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for CD82 antigen(CD82) detection. Tested with WB, IHC-P in Human.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for CD82 antigen(CD82) detection. Tested with WB, IHC-P in Human. Gene Name: CD82 Molecule Protein Name: CD82 antigen
Purification:	Immunogen affinity purified.

Target Details

Target: CD82

Alternative Name: CD82 ([CD82 Products](#))

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.

Synonyms: 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

Gene ID: 3732

UniProt: [P27701](#)

Pathways: [p53 Signaling](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for CD82 is approximately 0.25 ng/lane under reducing conditions.

Application Details

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

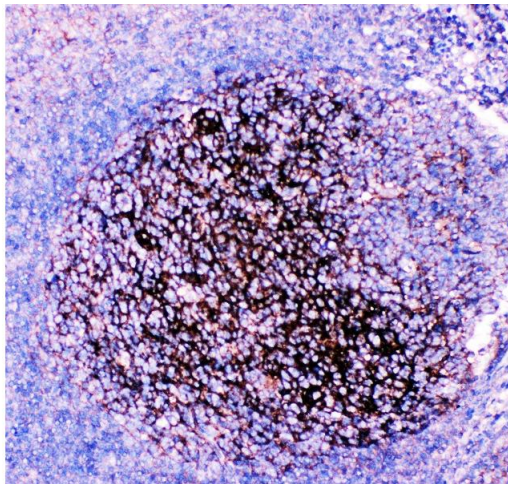
Storage: 4 °C/-20 °C

Storage Comment: 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.



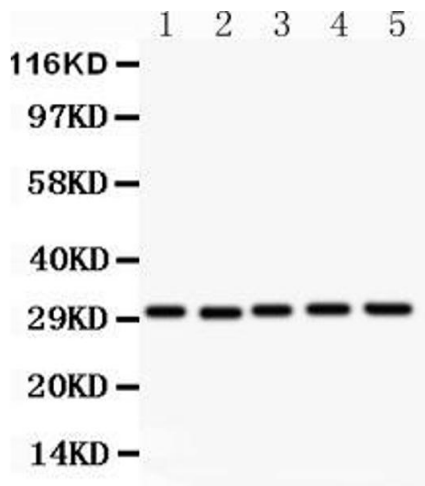
Western Blotting

Image 1. Anti-CD82 Picoband antibody, Western blotting All lanes: Anti CD82 at 0.5ug/ml WB: Recombinant Human CD82 Protein 0.5ng Predicted bind size: 36KD Observed bind size: 36KD



Immunohistochemistry

Image 2. Anti-CD82 Picoband antibody, IHC(P) IHC(P): Human Tonsil Tissue



Western Blotting

Image 3. Anti- CD82 Picoband antibody, Western blotting All lanes: Anti CD82 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: 30KDObserved bind size: 30KD

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043486.