

Rabbit DBC-1/CCAR2 Polyclonal Antibody | anti-CCAR2 antibody

Anti-DBC-1/CCAR2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19486	Rabbit	Human, Mouse, Rat, Monkey	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

DBC-1/CCAR2; Polyclonal Antibody; Anti-DBC-1/CCAR2 Antibody Picoband; anti-CCAR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CCAR2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.1-0.25 ug/ml, Human, Mouse, Rat, Monkey IHC-P: 1-2 ug/ml, Human, Mouse, Rat ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human DBC-1/CCAR2 recombinant protein (Position: L65-E917).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 12. Flow Cytometry analysis of A431 cells using anti-DBC-1/CCAR2 antibody (AAA19486). Overlay histogram showing A431 cells stained with AAA19486 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-DBC-1/CCAR2 Antibody (AAA19486, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 11. IF analysis of DBC-1/CCAR2 using anti-DBC-1/CCAR2 antibody (AAA19486). DBC-1/CCAR2 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-DBC-1/CCAR2 Antibody (AAA19486) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 10. IHC analysis of DBC-1/CCAR2 using anti-DBC-1/CCAR2 antibody (AAA19486). DBC-1/CCAR2 was detected in a paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-DBC-1/CCAR2 Antibody (AAA19486) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 9. IHC analysis of DBC-1/CCAR2 using anti-DBC-1/CCAR2 antibody (AAA19486). DBC-1/CCAR2 was detected in a paraffin-embedded section of human renal clear cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-DBC-1/CCAR2 Antibody (AAA19486) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 8. IHC analysis of DBC-1/CCAR2 using anti-DBC-1/CCAR2 antibody (AAA19486). DBC-1/CCAR2 was detected in a paraffin-embedded section of human pancreatic carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-DBC-1/CCAR2 Antibody (AAA19486) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 7. IHC analysis of DBC-1/CCAR2 using anti-DBC-1/CCAR2 antibody (AAA19486). DBC-1/CCAR2 was detected in a paraffin-embedded section of human laryngeal carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-DBC-1/CCAR2 Antibody (AAA19486) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-CCAR2 antibody	Deleted in bladder cancer protein 1 is a protein that in humans is encoded by the DBC1 gene. Cell cycle and apoptosis regulator protein 2 (CCAR2), previously known as DBC1/KIAA1967, regulates diverse cellular functions including transcription, mRNA splicing, metabolism, and circadian cycle. CCAR2 is a critical regulator of cell death or survival following cellular stresses. CCAR2 is a widely expressed protein involved in the regulation of a variety of transcriptional complexes. High expression of CCAR2 correlates with poor outcomes in many human tumor types such as squamous cell carcinoma (SCC).
Product Categories/Family for anti-CCAR2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	24432106
NCBI GeneID	57805
NCBI Accession #	NP_066997.3
NCBI GenBank Nucleotide #	NM_021174.5

UniProt Accession #	Q8N163; Q6P0Q9; Q8N3G7; Q8N8M1; Q8TF34; Q9H9Q9; Q9HD12; Q9NT55; A6NL03; B2RB79; D3DSR6
Molecular Weight	102,902 Da
NCBI Official Full Name	DBIRD complex subunit KIAA1967
NCBI Official Synonym Full Names	KIAA1967
NCBI Official Symbol	KIAA1967
NCBI Official Synonym Symbols	DBC1; DBC-1; NET35; p30DBC; p30 DBC
NCBI Protein Information	DBIRD complex subunit KIAA1967; p30 DBC protein; deleted in breast cancer 1
UniProt Protein Name	DBIRD complex subunit KIAA1967
UniProt Gene Name	KIAA1967
UniProt Synonym Gene Names	DBC1; DBC-1; DBC.1
UniProt Entry Name	K1967_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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