

CAR Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_001329.1

Catalog No. A302-847A

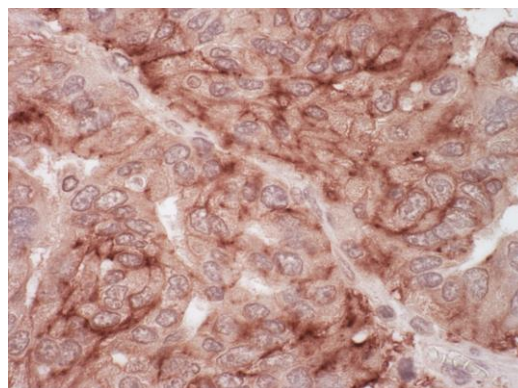
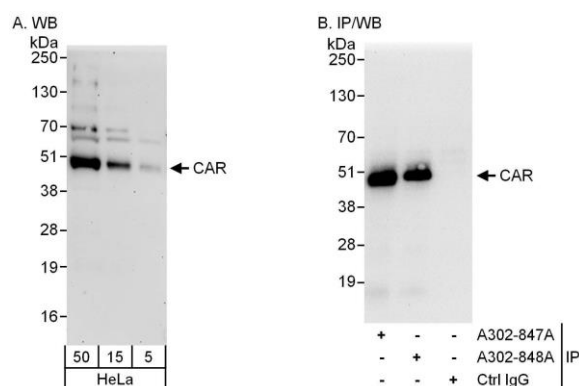
GeneID 1525

Lot No. A302-847A-1



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|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPLICATIONS | WB, IP, IHC |
| SPECIES REACTIVITY | Human |
| PRESUMED REACTIVITY | Based on 100% sequence identity, this antibody is predicted to react with Orangutan |
| AMOUNT | 100 µl |
| CONCENTRATION | 200 µg/ml |
| STORAGE/SHELF LIFE | 2 – 8° C / 1 year from date of receipt |
| PHYSICAL STATE | Liquid |
| BUFFER | Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| ISOTYPE | IgG |
| ORIGIN | USA |
| PRODUCTION PROCEDURES | <p>Antibody was affinity purified using an epitope specific to CAR immobilized on solid support.</p> <p>The epitope recognized by A302-847A maps to a region between residue 300 and 335 of human Coxsackievirus and Adenovirus Receptor Protein using the numbering given in entry NP_001329.1 (GeneID 1525).</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p> |
| APPLICATIONS | <p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot 1:2,000 – 1:10,000</p> <p>Immunoprecipitation 2 – 5 µg/mg lysate</p> <p>Immunohistochemistry 1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</p> |
| APPLICATION NOTES | <p>Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.</p> |
| IHC HUMAN CONTROLS | Ovarian Carcinoma |
| ADDITIONAL INFO | <p>https://www.bethyl.com/product/A302-847A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB</p> |

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human CAR by western blot and immunoprecipitation. *Samples:* Whole cell lysate (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-CAR antibody A302-847A used for WB at 0.04 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 3 µg/mg lysate. CAR was also immunoprecipitated by rabbit anti-CAR antibody A302-848A, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 10 seconds (B).

Detection of human CAR by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti-CAR (Cat. No. A302-847A Lot1) used at a dilution of 1:200 (1 µg/ml). *Detection:* Vector Laboratories ImmPACT NovaRED Peroxidase Substrate