

## CARS Monoclonal Antibody

**CAB0438**

### Description

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This CARS Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB0438  
**Contents:** 20 µL, 100 µL  
Bradford Reagent: 1 vial (2ml)  
**Category:** Monoclonal Antibody  
**Synonyms:** CARS, MDBH, CYRS, MCDBBH, MGC:11246  
**Clone:** ARC2504  
**Applications:** **WB** | **IHC-P** | **ELISA**  
**Conjugation:** Unconjugated  
**Reactivity:** Human, Rat

### Antibody Data

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**Gene ID:** 833  
**Uniprot:** -  
**Host Species:** Rabbit  
**Purification:** Affinity purification  
**Observed MW:** 85kDa  
**Calculated MW:** 85kDa

## Preparation & Storage

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**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

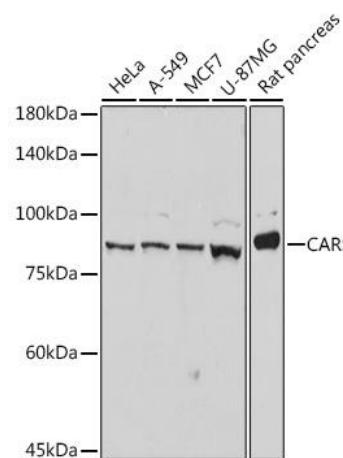
**Positive Sample:** HeLa, A549, MCF7, U-87MG, Rat pancreas

|                               |              |                                                                                                                             |
|-------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended Dilutions:</b> | <b>WB</b>    | 1:1000 - 1:5000                                                                                                             |
|                               | <b>IHC-P</b> | 1:50 - 1:200                                                                                                                |
|                               | <b>ELISA</b> | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

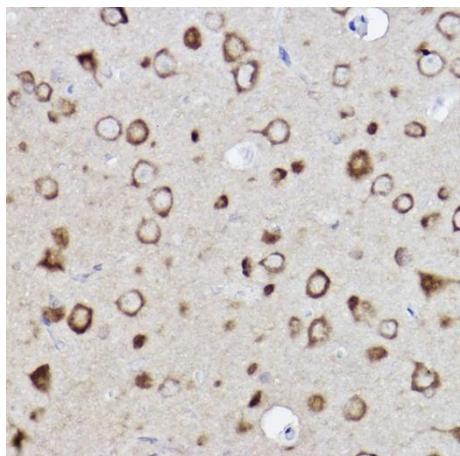
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

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Western blot analysis of various lysates using CARS Rabbit mAb (CAB0438) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3s.



Immunohistochemistry analysis of paraffin-embedded Rat brain using CARS Rabbit mAb (CAB0438) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.