

CARS Polyclonal Antibody

Product Details

| | |
|--------------------|---|
| Size | 100 µg |
| Species Reactivity | Human, Mouse, Rat |
| Host/Isotype | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | E. coli-derived human CARS recombinant protein (Position: D510-Q748). |
| Form | Lyophilized |
| Concentration | 500 µg/mL |
| Purification | Antigen affinity chromatography |
| Storage buffer | PBS with 4mg trehalose |
| Contains | 0.05mg sodium azide |
| Storage conditions | -20°C |
| RRID | AB_2746030 |

| Applications | Tested Dilution | Publications |
|---|--------------------------------|--------------|
| Western Blot (WB) | 0.1-0.5 µg/mL | - |
| Immunohistochemistry (Paraffin) (IHC (P)) | 0.5-1 µg/mL | - |
| Immunocytochemistry (ICC/IF) | 2 µg/mL | - |
| Flow Cytometry (Flow) | 1-3 µg/1x10 ⁶ cells | - |

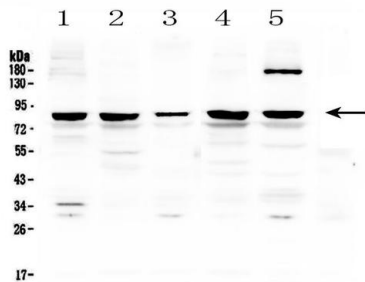
Product Specific Information

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For CARS Polyclonal Antibody

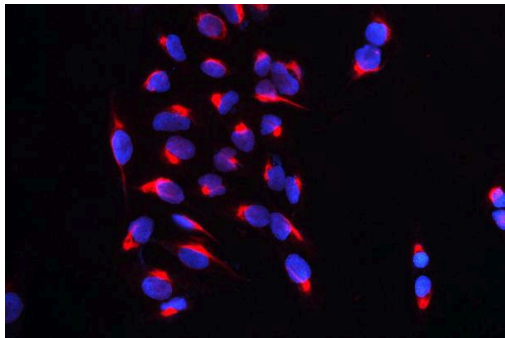
CARS Antibody (PA5-78914) in WB

Western blot analysis of CARS in Lane 1: human HeLa cell lysate, Lane 2: human COLO-320 cell lysate, Lane 3: human A549 cell lysate, Lane 4: human PANC-1 cell lysate, Lane 5: human 22RV1 cell lysate using 50 µg (reducing conditions) per well. Electrophoresis was performed on 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours and protein was transferred to a nitrocellulose membrane at 150mA for 50-90 minutes. Sample was blocked with 5% Non-fat Milk/TBS for 1.5 hours at room temperature, incubated with CARS polyclonal antibody (Product # PA5-78914) at a dilution of 0.5 µg/mL (overnight at 4°C), followed by goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10,000. Signal development was performed using a chemiluminescence (ECL) kit.



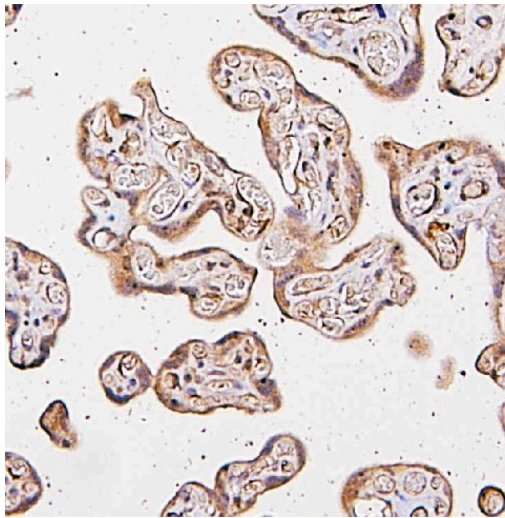
CARS Antibody (PA5-78914) in ICC/IF

Immunocytochemistry analysis of CARS using anti-CARS antibody (Product # PA5-78914). CARS was detected in a section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum and then incubated with 2g/mL rabbit anti-CARS antibody (Product # PA5-78914) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



CARS Antibody (PA5-78914) in IHC (P)

Immunohistochemical analysis of CARS in paraffin-embedded section of human placenta tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1g/mL rabbit anti-CARS antibody (Product # PA5-78914) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37° C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



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