Datasheet for ABIN1607879

# anti-ARHGAP22 antibody (pSer397)

1 Image

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## Overview

| | |
|---|---|
| Quantity: | 50 µg |
| Target: | ARHGAP22 |
| Binding Specificity: | pSer397 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ARHGAP22 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Fluorescence Microscopy (FM) |

## Product Details

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| Purpose: | Arhgap22 phospho S397 Antibody |
| Immunogen: | Immunogen: ARHGAP22 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic phospho-peptide corresponding to the region surrounding mouse pS397 region of ARHGAP22.<br>Immunogen Type: Conjugated Peptide |
| Cross-Reactivity (Details): | This antibody is specific for phosphorylated ARHGAP22 at Serine 397. |
| Characteristics: | Synonyms: rabbit anti-ARHGAP pS397 antibody, ARHGAP 22, ARHGAP-22, Rho-type GTPase-activating protein 22, RHOGAP2, Rho GTPase activating protein 22, rho GTPase-activating protein 22 |
| Purification: | Anti-ARHGAP22 pS397 was affinity purified from monospecific antiserum by immunoaffinity chromatography. |

## Product Details

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| Sterility: | Sterile filtered |

## Target Details

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| Target: | ARHGAP22 |
| Alternative Name: | Arhgap22 (ARHGAP22 Products) |
| Background: | Background: ARHGAP22 is a Rho GTPase-activating protein involved in the signal transduction pathway that regulates endothelial cell capillary tube formation during angiogenesis. It acts as a GTPase activator for RAC1 by converting it to an inactive GDP-bound state and also inhibits RAC1-dependent lamellipodia formation. It may also play a role in transcription regulation via its interaction with VEZF1, by regulating activity of the endothelin-1 (EDN1) promoter. Anti-ARHGAP22 [p Ser397] antibody is ideal for researchers interested in Diabetes Research, Lipid and Metabolism research. |
| Gene ID: | 239027 |
| NCBI Accession: | NP_722495 |
| UniProt: | Q8BL80 |

## Application Details

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| Application Notes: | Immunohistochemistry Dilution: 1:100-1:500<br>Application Note: Anti-ARHGAP22 pS397 antibody is tested for Western Blot and Immunostaining and useful for ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~77.8 kDa corresponding to the appropriate cell lysate or extract.<br>Western Blot Dilution: 1 µg/mL<br>ELISA Dilution: 1:20,000 - 1:60,000<br>IF Microscopy Dilution: 1:100-1:500<br>Other: User Optimized |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 1.07 mg/mL |
| Buffer: | Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |

## Handling

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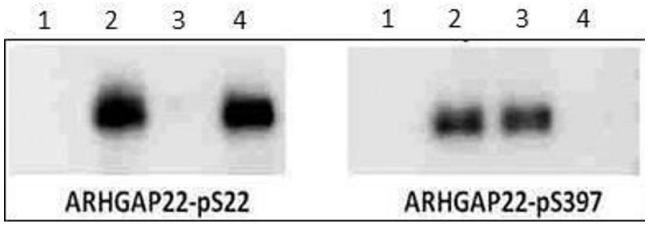
|---|---|
| | Stabilizer: 50 % (v/v) Glycerol with 1 mg/mL Bovine Serum Albumin (BSA)<br>Preservative: None |
| Preservative: | Without preservative |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| Expiry Date: | 6 months |

## Images




**Western Blotting**

**Image 1.** Western Blot of Rabbit anti-ARHGAP22 pS397 antibody. Lane 1: NIH3T3 cells transfected with a null vector. Lane 2: NIH3T3 cells transfected with ARHGAP22. Lane 3: NIH3T3 cells transfected with ARHGAP22 S22 to alanine mutation. Lane 4: NIH3T3 cells transfected with ARHGAP22 S397 to alanine mutaion. Primary antibody: Left: ARHGAP22 pS22, Right: ARHGAP22 pS397 antibody at 1µg/mL for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO O/N at 4°C. Predicted/Observed size: 68 kDa for ARHGAP22. Other band(s): Unmodified ARHGAP22. ARHGAP22-pS22 antibody recognizes the S397>A mutation, not the S22>mutation; ARHGAP22 pS397 recognizes the pS22>A mutation, not the pS397>A mutation; Confirms the specificity of each ARHGAP22 phospho specific antibody.