

Datasheet for ABIN1607878

## anti-ARHGAP22 antibody (pSer22)



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### 1 Image

#### Overview

Quantity:	50 µg
Target:	ARHGAP22
Binding Specificity:	pSer22
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Fluorescence Microscopy (FM)

#### Product Details

Purpose:	Arhgap22 phospho S22 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 pS22 region of ARHGAP22. Immunogen Type: Conjugated Peptide
Cross-Reactivity (Details):	This antibody is specific for phosphorylated ARHGAP22 at Serine 22.
Characteristics:	Synonyms: rabbit anti-ARHGAP22 pS22 Antibody, Rho-type GTPase-activating protein 22, RHOGAP2, Rho GTPase activating protein 22, rho GTPase-activating protein 22, ARHGAP 22, ARHGAP-22
Purification:	Anti-ARHGAP22 pS22 was affinity purified from monospecific antiserum by immunoaffinity chromatography.
Sterility:	Sterile filtered

## Target Details

Target:	ARHGAP22
Alternative Name:	Arhgap22 ( <a href="#">ARHGAP22 Products</a> )
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 Ser22] antibody is ideal for researchers interested in Diabetes Research, Lipid and Metabolism research.
Gene ID:	239027
NCBI Accession:	<a href="#">NP_722495</a>
UniProt:	<a href="#">Q8BL80</a>

## Application Details

Application Notes:	Immunohistochemistry Dilution: 1:100-1:500  Application Note: Anti-ARHGAP22 pS22 antibody is tested in Western Blot and ELISA useful for Immunostaining. 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.  Western Blot Dilution: 1 µg/mL  ELISA Dilution: 1:20,000 - 1:60,000  IF Microscopy Dilution: 1:100-1:500  Other: User Optimized
Restrictions:	For Research Use only

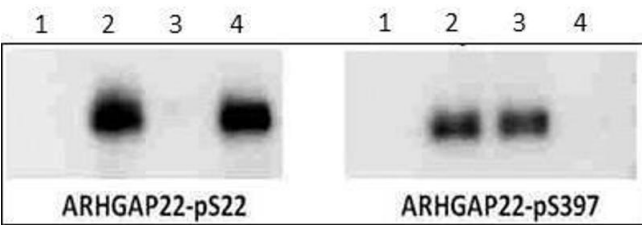
## Handling

Format:	Liquid
Concentration:	1.07 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  Stabilizer: 50 % (v/v) Glycerol  Preservative: None
Preservative:	Without preservative

Handling

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 pS22 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 mutation. 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.