Leader in Biomolecular Solutions for Life Science

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# RhoA Rabbit pAb

**Catalog No.: A0272** 5 Publications

## Basic Information

**Observed MW**
21kDa

**Calculated MW**
22kDa

**Category**
Primary antibody

**Applications**
ELISA,WB,IHC-P,IF/ICC

**Cross-Reactivity**
Human, Mouse

## Background

This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants have been identified.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:1000 |
| **IHC-P** | 1:50 - 1:200 |
| **IF/ICC** | 1:50 - 1:200 |

## Immunogen Information

**Gene ID**
387

**Swiss Prot**
P61586

**Immunogen**
A synthetic peptide corresponding to a sequence within amino acids 94-193 of human RhoA (NP_001655.1).

**Synonyms**
ARHA; ARH12; RHO12; EDFAOB; RHOH12; RhoA

## Contact

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## Product Information

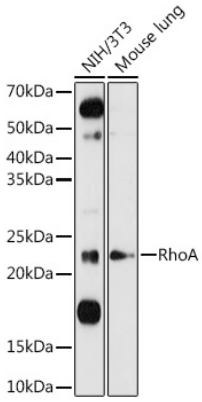
**Source**
Rabbit

**Isotype**
IgG

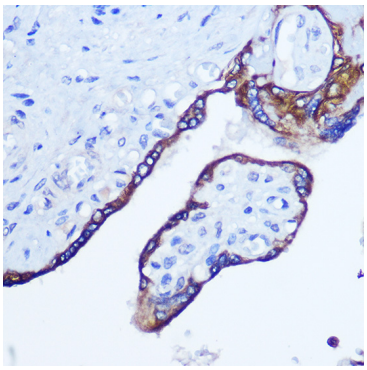
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

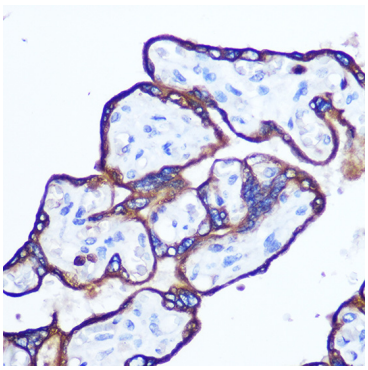
## Validation Data



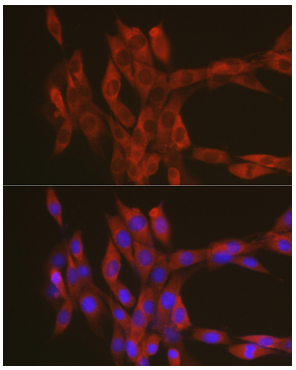

Western blot analysis of various lysates using RhoA Rabbit pAb (A0272) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunohistochemistry analysis of RhoA in paraffin-embedded human placenta using RhoA Rabbit pAb (A0272) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of RhoA in paraffin-embedded human placenta using RhoA Rabbit pAb (A0272) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of NIH-3T3 cells using RhoA Rabbit pAb (A0272) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.