10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

ARHGAP18 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8516c

Specification

ARHGAP18 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	O8N392
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**74977**
Antigen Region	**180-207**

ARHGAP18 Antibody (Center) - Additional Information

Gene ID 93663

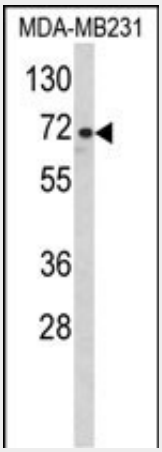
Other Names
Rho GTPase-activating protein 18, MacGAP, Rho-type GTPase-activating protein 18, ARHGAP18 (HGNC:21035)

Target/Specificity
This ARHGAP18 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 180-207 amino acids from the Central region of human ARHGAP18.

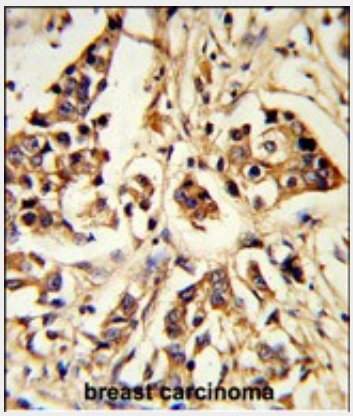
Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C



Western blot analysis of ARHGAP18 Antibody (Center) (Cat. #AP8516c) in MDA-MB231 cell line lysates (35ug/lane). ARHGAP18 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human breast carcinoma reacted with ARHGAP18 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

in small aliquots to prevent freeze-thaw cycles.

Precautions
ARHGAP18 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ARHGAP18 Antibody (Center) - Protein Information

Name ARHGAP18 (HGNC:21035)

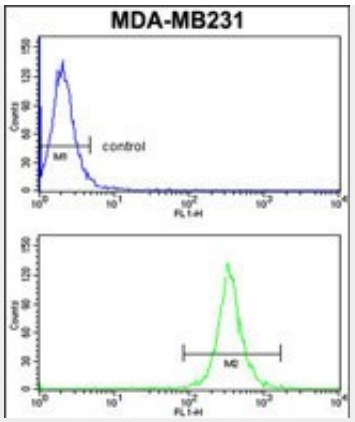
Function
Rho GTPase activating protein that suppresses F-actin polymerization by inhibiting Rho. Rho GTPase activating proteins act by converting Rho-type GTPases to an inactive GDP-bound state (PubMed:21865595). Plays a key role in tissue tension and 3D tissue shape by regulating cortical actomyosin network formation. Acts downstream of YAP1 and inhibits actin polymerization, which in turn reduces nuclear localization of YAP1 (PubMed:25778702). Regulates cell shape, spreading, and migration (PubMed:21865595).

Cellular Location
Cytoplasm.

ARHGAP18 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



ARHGAP18 Antibody (Center) (Cat.#AP8516c) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ARHGAP18 Antibody (Center) - Background

GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.

ARHGAP18 Antibody (Center) - References

Potkin,S.G., et.al., Mol. Psychiatry 14 (4), 416-428 (2009) Lehner,B.et.al., Genome Res. 14 (7), 1315-1323 (2004)