





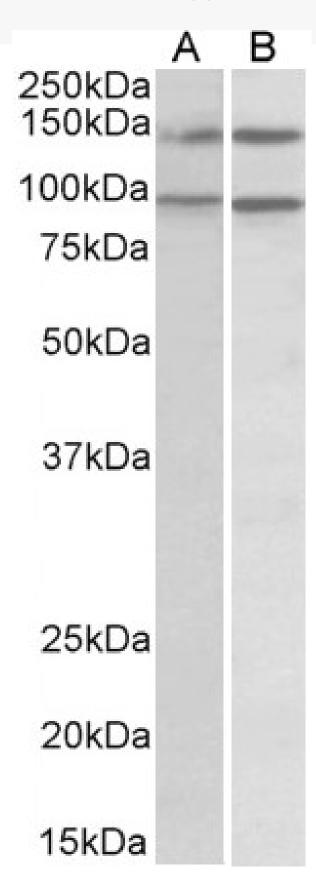
## **GOAT ANTI-P114-RHO-GEF / ARHGEF18 ANTIBODY**

**SKU:** EB06163



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## **SPECIFICATIONS**

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**Unit Size** 100 μg

Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym /

Rho/Rac guanine nucleotide exchange factor 18|P114-RhoGEF|Rho-specific guanine nucleotide exchange factor p114|MGC15913|KIAA0521|P114-RHO-GEF|Rho/Rac guanine nucleotide exchange factor (GEF)

Names

18|ARHGEF18

Usage

**Alias** 

<strong>Immunofluorescence:</strong> This antibody has been successfully used in IF on Human, PMID:

Summary

36404918.

Accession

NP\_056133.2; NP\_001124427.1

**Blocking** 

ID

**Peptide** 

EBP06163

**Immunogen** 

Peptide with sequence C-SAKEDASKEDVIFF, from the C Terminus of the protein sequence according to

NP\_056133.2; NP\_001124427.1.

**Product** 

**Comments** 

This antibody is expected to recognize both reported isoforms (NP\_056133.2; NP\_001124427.1).

**Peptide** 

C-SAKEDASKEDVIFF Sequence

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography

Method

using the immunizing peptide.

**Shipping** 

Instructions **Predicted** 

Human

Refrigerated

**Species** 

Reactive

Human

Species

Human 23370 Gene ID

**Product** 

Grade

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite\_medium.png

FLISA

**Detection** 

Antibody detection limit dilution 1:128000.

Limit

Approx 140+90kDa band observed in lysates of cell line Daudi and Caco-2 (calculated MW of 114kDa according to NP\_056133.2 and 131kDa accoeding to NP\_001124427.1). Recommended concentration:

Western **Blot** 

1-3µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on Human, PMID:

36404918.

**Application** 

Pep-ELISA, WB, IF **Type** 



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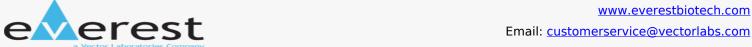
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## SELECTED REFERENCES

[{"pmid": 36404918, "intro": "This antibody has been successfully used in WB and IF on Human:", "title": "Downregulation of protein kinase C gamma reduces epithelial property and enhances malignant phenotypes in colorectal cancer cells.", "author": "Reiko Satow, Yudai Suzuki, Shinobu Asada, Sae Ota, Masashi Idogawa, Shiori Kubota, Noi Ikeo, Atsuko Yoneda, Kiyoko Fukami", "journal": "iScience. 2022 Nov 4;25(12):105501."}, {"pmid": 23698346, "intro": "This antibody (previous batch) has been successfully used in WB on Medaka:", "title": "ArhGEF18 regulates RhoA-Rock2 signaling to maintain neuro-epithelial apico-basal polarity and proliferation.", "author": "Herder C, Swiercz JM, Müller C, Peravali R, Quiring R, Offermanns S, Wittbrodt J, Loosli F.", "journal": "Development. 2013 Jul;140(13):2787-97."}, {"pmid": 23185572, "intro": "This antibody (previous batch) has been successfully used in WB on Human:", "title": "Stimulation of Cortical Myosin Phosphorylation by p114RhoGEF Drives Cell Migration and Tumor Cell Invasion.", "author": "Terry SJ, Elbediwy A, Zihni C, Harris AR, Bailly M, Charras GT, Balda MS, Matter K.", "journal": "PLoS One. 2012;7(11):e50188."}, {"pmid": 21258369, "intro": "This antibody (previous batch) has been successfully used in WB, IF and IP on Human:", "title": "Spatially restricted activation of RhoA signalling at epithelial junctions by p114RhoGEF drives junction formation and morphogenesis.", "author": "Terry SJ, Zihni C, Elbediwy A, Vitiello E, Leefa Chong San IV, Balda MS, Matter K.", "journal": "Nat Cell Biol. 2011 Feb;13(2):159-66."}]

## **GALLERY IMAGES**





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