

Datasheet for ABIN883426

## anti-ARHGEF7 antibody (AA 201-300) (AbBy Fluor® 647)



[Go to Product page](#)

### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | ARHGEF7                                                                                                 |
| Binding Specificity: | AA 201-300                                                                                              |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This ARHGEF7 antibody is conjugated to AbBy Fluor® 647                                                  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human ARHG7. |
| Isotype:              | IgG                                                        |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Pig,Horse,Rabbit                   |
| Purification:         | Purified by Protein A.                                     |

### Target Details

|                   |                                                                                |
|-------------------|--------------------------------------------------------------------------------|
| Target:           | ARHGEF7                                                                        |
| Alternative Name: | ARHG7 ( <a href="#">ARHGEF7 Products</a> )                                     |
| Background:       | Synonyms: ARHG7_HUMAN, ARHG7, ARHGEF 7, ARHGEF7, Beta pix, betaPix, betaPix-b, |

## Target Details

betaPix-c, Cool, COOL1, P50 antibody P50BP, P85, P85COOL1, P85SPR, PAK interacting exchange factor beta, PAK3, Pak3bp, PAK3BP, PIX, PIXB, Rho guanine nucleotide exchange factor GEF 7, Rho guanine nucleotide exchange factor GEF 7b, Rho guanine nucleotide exchange factor GEF7, Rho guanine nucleotide exchange factor 7, SH3 domain containing proline rich protein, Nbla10314, KIAA0142.

Background: ARHGEF7 is a p21-activated protein kinase (Pak)-interacting exchange factor that has been identified as a putative guanine nucleotide exchange factor (GEF) for Rac/Cdc42. It is expressed ubiquitously in all the tissue examined and other isoforms are expressed mainly in the central nervous system. Regulated phosphorylation of ARHGEF7 is necessary to maintain the balance between normal signalling by EGFR and Src versus aberrant growth and transformation. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene, but some of their full-length sequences have not been determined.

|           |                                                                                                                               |
|-----------|-------------------------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 8874                                                                                                                          |
| Pathways: | <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">EGFR Downregulation</a> |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |

## Handling

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Expiry Date: 12 months