

# Anti-GRLF1 (pY1087) Antibody

Rabbit polyclonal antibody to GRLF1 (pY1087)

Catalog # AP59570

## Product Information

|                   |                                    |
|-------------------|------------------------------------|
| Application       | WB                                 |
| Primary Accession | <a href="#">Q9NRY4</a>             |
| Other Accession   | <a href="#">Q91YM2</a>             |
| Reactivity        | Human, Mouse, Rat, Pig, Drosophila |
| Host              | Rabbit                             |
| Clonality         | Polyclonal                         |
| Calculated MW     | 170514                             |

## Additional Information

|                    |  |
|--------------------|--|
| Gene ID            | 2909   |
| Other Names        | GRF1; GRLF1; KIAA1722; Rho GTPase-activating protein 35; Glucocorticoid receptor DNA-binding factor 1; Glucocorticoid receptor repression factor 1; GRF-1; Rho GAP p190A; p190-A |
| Target/Specificity | Recognizes endogenous levels of GRLF1 (pY1087) protein.  |
| Dilution           | WB~~WB (1/500 - 1/1000)  |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.  |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt  |

## Protein Information

|          |   |
|----------|---|
| Name     | ARHGAP35 ( <a href="#">HGNC:4591</a> )  |
| Function | Rho GTPase-activating protein (GAP) (PubMed: <a href="#">19673492</a> , PubMed: <a href="#">28894085</a> ). Binds several acidic phospholipids which inhibits the Rho GAP activity to promote the Rac GAP activity (PubMed: <a href="#">19673492</a> ). This binding is inhibited by phosphorylation by PRKCA (PubMed: <a href="#">19673492</a> ). Involved in cell differentiation as well as cell adhesion and migration, plays an important role in retinal tissue morphogenesis, neural tube fusion, midline fusion of the cerebral hemispheres and mammary gland branching morphogenesis (By similarity). Transduces signals from p21-ras to the nucleus, acting via the ras GTPase-activating protein (GAP) (By similarity). Transduces SRC- dependent signals from cell-surface adhesion molecules, such as laminin, to promote neurite outgrowth. Regulates axon outgrowth, guidance and fasciculation (By similarity). Modulates Rho GTPase- dependent F-actin polymerization, organization and assembly, is involved in polarized cell migration and in the |

positive regulation of ciliogenesis and cilia elongation (By similarity). During mammary gland development, is required in both the epithelial and stromal compartments for ductal outgrowth (By similarity). Represses transcription of the glucocorticoid receptor by binding to the cis- acting regulatory sequence 5'-GAGAAAAGAACTGGAGAACTC-3'; this function is however unclear and would need additional experimental evidences (PubMed:[1894621](#)).

#### Cellular Location

Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q91YM2}. Cytoplasm {ECO:0000250|UniProtKB:Q91YM2}. Nucleus Cell membrane {ECO:0000250|UniProtKB:Q91YM2}. Note=In response to integrins and SDC4 and upon phosphorylation by PKC, relocalizes from the cytoplasm to regions of plasma membrane ruffling where it colocalizes with polymerized actin. {ECO:0000250|UniProtKB:Q91YM2}

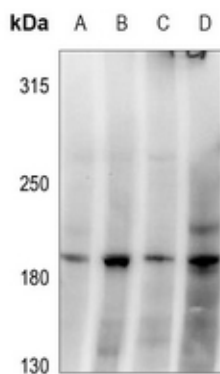
#### Tissue Location

Detected in neutrophils (at protein level).

## Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GRLF1. The exact sequence is proprietary.

## Images



Western blot analysis of GRLF1 (pY1087) expression in mouse testis (A), MCF7 (B), HUT78 (C), K562 (D) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.