

For Research Use Only

# RADIL Polyclonal antibody

Catalog Number: 20284-1-AP

Featured Product

2 Publications



## Basic Information

**Catalog Number:**

20284-1-AP

**Size:**

650 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13996

**GenBank Accession Number:**

BC004919

**GeneID (NCBI):**

55698

**UNIPROT ID:**

Q96JH8

**Full Name:**

Ras association and DIL domains

**Calculated MW:**

1075 aa, 117 kDa

**Observed MW:**

117 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:10-1:100

## Applications

**Tested Applications:**

IF/ICC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse

**Cited Species:**

human

**Positive Controls:**

WB : HEK-293 cells, SH-SY5Y cells, mouse testis tissue

IP : HEK-293 cells,

IF : Hela cells,

## Background Information

Radil is a broadly expressed adapter protein that contains a RA-like domain, a PDZ domain and a DIL domain. Like RAPL and RIAM, Radil interacts preferentially with active GTP-bound Rap1, and overexpression of Radil enhances integrin-mediated adhesion. In addition, Radil knockdown inhibits cell-substrate adhesion in HT1080, AD293, and NMuMG cells and results in migration defects in SW1353 and zebrafish neural crest cells (PMID: 17704304). Radil regulates neutrophil adhesion by specifically enhancing  $\beta$  2-integrin activation, as well as focal adhesion kinase (FAK) and paxillin phosphorylation (PMID: 23097489).

## Notable Publications

Author	Pubmed ID	Journal	Application
Byeong Hyeok Choi	33482197	J Biol Chem	WB
Aoife Nolan	37627169	Cancers (Basel)	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

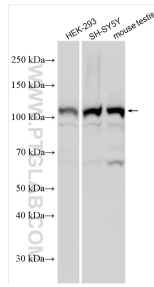
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

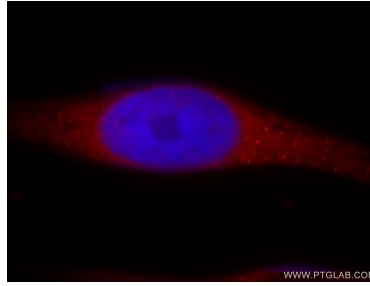
W: [ptgcn.com](http://ptgcn.com)

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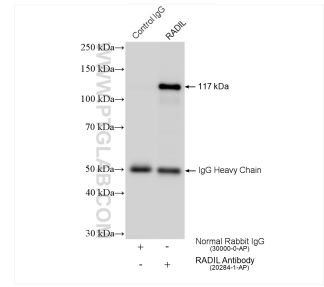
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20284-1-AP (RADIL antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells, using RADIL antibody 20284-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP result of anti-RADIL (IP:20284-1-AP, 4ug; Detection:20284-1-AP 1:1000) with HEK-293 cells lysate 1400 ug.