

For Research Use Only

RADIL Polyclonal antibody

Catalog Number: 20284-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

20284-1-AP

Concentration:

650 ug/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 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, 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,

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 β 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

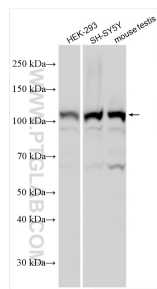
T: 4006900926

E: Proteintech-CN@ptglab.com

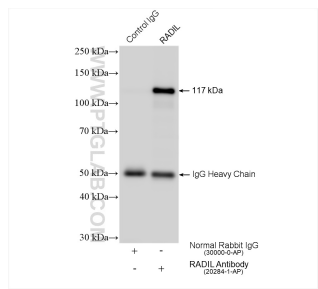
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



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