

For Research Use Only

RADIL Polyclonal antibody

Catalog Number: 20284-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 20284-1-AP	GenBank Accession Number: BC004919	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55698	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: Ras association and DIL domains	IF 1:10-1:100
Isotype: IgG	Calculated MW: 1075 aa, 117 kDa	
Immunogen Catalog Number: AG13996	Observed MW: 117 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, SH-SY5Y cells, mouse testis tissue
Cited Applications: WB	IP : HEK-293 cells,
Species Specificity: human, mouse	IF : HeLa cells,
Cited Species: human	

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

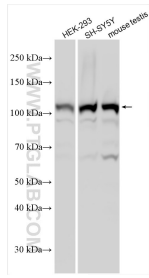
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

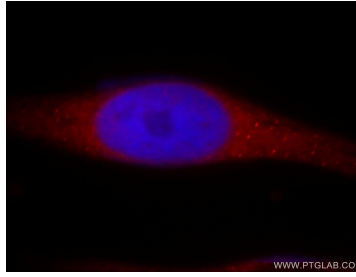
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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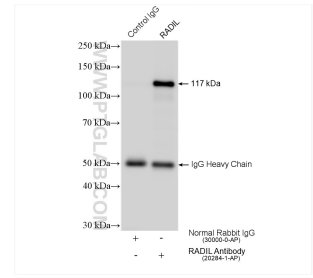
Selected Validation Data



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.