

For Research Use Only

ARHGDIB Monoclonal antibody

Catalog Number: 66054-1-Ig 1 Publications



Basic Information

Catalog Number: 66054-1-Ig	GenBank Accession Number: BC009200	Purification Method: Protein A purification
Size: 150ul , Concentration: 1900 ug/ml by 397 Nanodrop and 1007 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 397	CloneNo.: 3E7B7
Source: Mouse	UNIPROT ID: P52566	Recommended Dilutions: WB 1:10000-1:50000 IHC 1:5000-1:10000 IF-P 1:200-1:800
Isotype: IgG2b	Full Name: Rho GDP dissociation inhibitor (GDI) beta	
Immunogen Catalog Number: AG9091	Calculated MW: 201 aa, 23 kDa	
	Observed MW: 27 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB	WB : THP-1 cells, Jurkat cells, U-937 cells, HL-60 cells, Raji cells
Species Specificity: human, mouse, rat	IHC : human tonsillitis tissue, human cerebellum tissue
Cited Species: human	IF-P : human tonsillitis tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

ARHGDIB, also known as RhoGDI2, is a conserved member of the RhoGDI family and plays an important role in cell migrations. It regulates the GDP/GTP exchange reaction of the Rho proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them. It is mainly in hematopoietic, endothelial, and epithelial cells. It has been linked to tumorigenesis and metastasis. RhoGDI2 expression is downregulated in several cancer types, such as bladder, lung and lymphoma, but is upregulated in prostate and gastric cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Yulin Yang	37594290	Hematology	WB

Storage

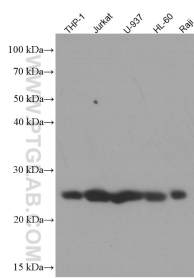
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

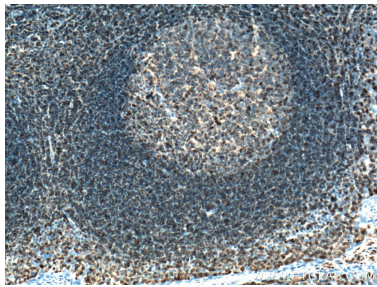
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

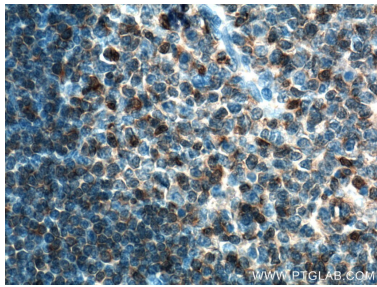
Selected Validation Data



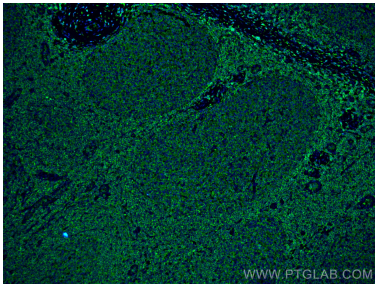
Various lysates (25µg/lane) were subjected to SDS PAGE followed by western blot with 66054-1-Ig (ARHGDIB antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



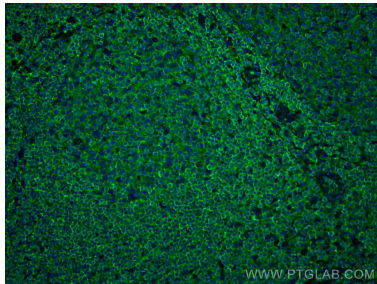
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66054-1-Ig (ARHGDIB antibody) at dilution of 1:10000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66054-1-Ig (ARHGDIB antibody) at dilution of 1:10000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using ARHGDIB antibody (66054-1-Ig, Clone: 3E7B7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using ARHGDIB antibody (66054-1-Ig, Clone: 3E7B7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).