

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 G purification
Size: 150ul , Concentration: 1700 µg/ml by Nanodrop and 1007 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 397	CloneNo.: 3E7B7
Source: Mouse	Full Name: Rho GDP dissociation inhibitor (GDI) beta	Recommended Dilutions: WB 1:10000-1:50000 IHC 1:5000-1:10000 IF 1:200-1:800
Isotype: IgG2b	Calculated MW: 201 aa, 23 kDa	
Immunogen Catalog Number: AG9091	Observed MW: 27 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : THP-1 cells, Jurkat cells, U-937 cells, HL-60 cells, Raji cells

IHC : human tonsillitis tissue, human cerebellum tissue

IF : human tonsillitis tissue,

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

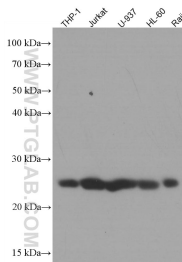
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

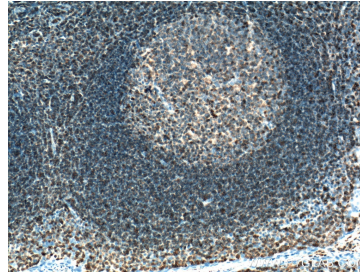
E: proteintech@ptglab.com
W: ptglab.com

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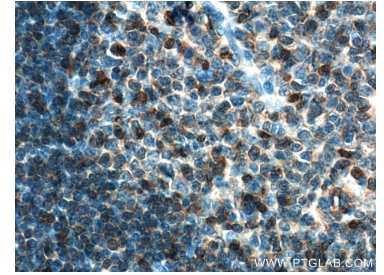
Selected Validation Data



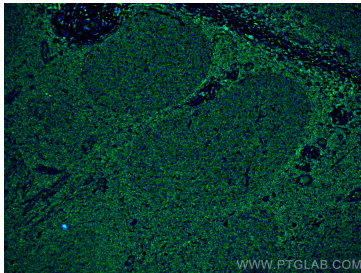
Various lysates (25µg/lane) were subjected to SDS PAGE followed by western blot with 66054-1-Ig (ARHGDI1 antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



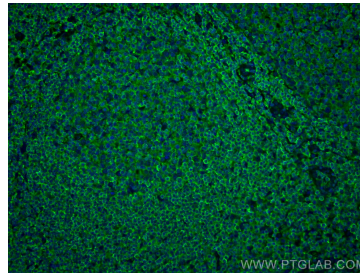
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66054-1-Ig (ARHGDI1 antibody) at dilution of 1:10000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66054-1-Ig (ARHGDI1 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 ARHGDI1 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 ARHGDI1 antibody (66054-1-Ig, Clone: 3E7B7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).