

For Research Use Only

PHLDA1 Polyclonal antibody

Catalog Number: 18263-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 18263-1-AP	GenBank Accession Number: BC018929	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 22822	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:400-1:1600 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q8WV24	
Isotype: IgG	Full Name: pleckstrin homology-like domain, family A, member 1	
Immunogen Catalog Number: AG13125	Calculated MW: 45 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse

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: A375 cells, mouse brain tissue, BXPC-3 cells, HeLa cells, MDA-MB-231 cells

IHC: human skin cancer tissue,

IF/ICC: A375 cells,

Background Information

PHLDA1, also known as PHRIIP and TDAG51, is a multifunctional protein involved in various biological processes. It can induce apoptosis in various cell types, including T cells, hippocampal cells, endothelial cells, melanoma cells, and mouse embryonic fibroblasts (PMID: 30207029). PHLDA1 plays a role in inhibiting growth factor signaling and has been implicated in tumor suppression through its ability to repress Akt activity by binding to phosphatidylinositol (PIP) lipids (PMID: 36142223).

Notable Publications

Author	Pubmed ID	Journal	Application
F Yang	33938317	Hum Exp Toxicol	WB
Liang Liu	31189920	Cell Death Dis	WB, IHC, IF
Yuxuan Guo	31981628	Life Sci	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

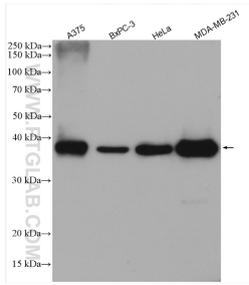
For technical support and original validation data for this product please contact:

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

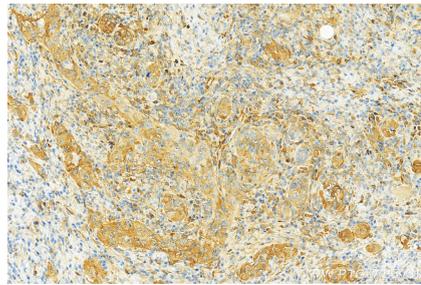
E: proteintech@ptglab.com
W: ptglab.com

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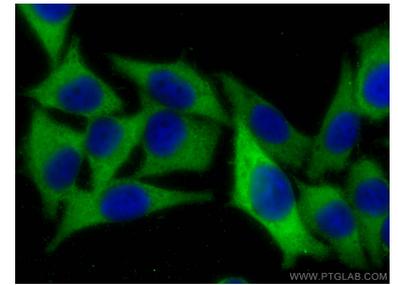
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18263-1-AP (PHLDA1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 18263-1-AP (PHLDA1 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A375 cells using PHLDA1 antibody (18263-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).