

For Research Use Only

PLAGL2 Monoclonal antibody

Catalog Number: 68606-1-Ig



Basic Information

Catalog Number: 68606-1-Ig	GenBank Accession Number: BC023655	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5326	CloneNo.: 3C2E5
Source: Mouse	UNIPROT ID: Q9UPG8	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG1	Full Name: pleiomorphic adenoma gene-like 2	
Immunogen Catalog Number: AG30227	Calculated MW: 496 aa, 55 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, rabbit	WB : Caco-2 cells, rabbit testis tissue, Caco-2, COLO320, HepG2, MOLT-4, Ramos, HL-60

Background Information

PLAGL2, also named KIAA0198, belongs to the krueppel C2H2-type zinc-finger protein family. It shows weak transcriptional activatory activity. PLAGL2, a proto-oncogene, is implicated in a variety of cancers including acute myeloid leukemia (AML), malignant glioma, colon cancer, and lung adenocarcinoma. PLAGL2 can function as a tumor suppressor by initiating cell cycle arrest and apoptosis. The calculated molecular weight of PLAGL2 is 55 kDa, but the SUMO1-modified form is 68 kDa (PMID: 30535429).

Storage

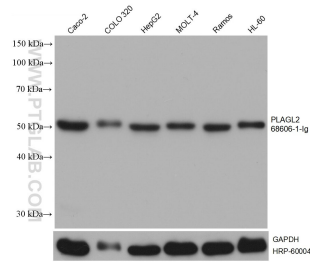
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

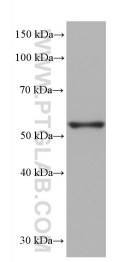
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

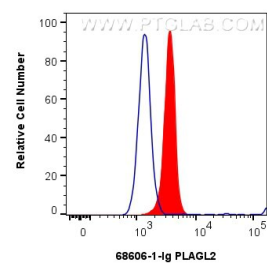
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68606-1-Ig (PLAGL2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



rabbit testis tissue were subjected to SDS PAGE followed by western blot with 68606-1-Ig (PLAGL2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug PLAGL2 Monoclonal antibody (68606-1-Ig, Clone:3C2E5) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).