

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: 1000 ug/ml	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

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

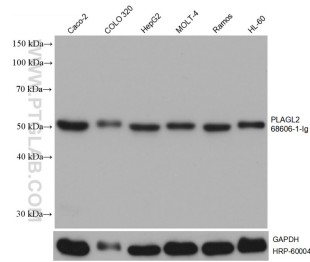
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

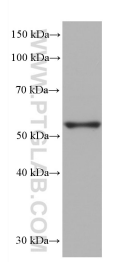
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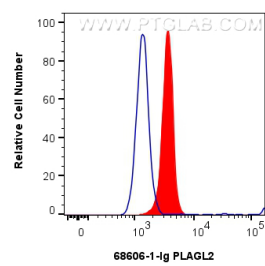
Selected Validation Data



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.



1x10<sup>6</sup> 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).