

For Research Use Only

PLAGL2 Monoclonal antibody, PBS Only

Catalog Number: 68606-1-PBS



Basic Information

Catalog Number: 68606-1-PBS	GenBank Accession Number: BC023655	Purification Method: Protein G purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5326	CloneNo.: 3C2E5
Source: Mouse	UNIPROT ID: Q9UPG8	
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, Indirect ELISA

Species Specificity:
human, rabbit

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

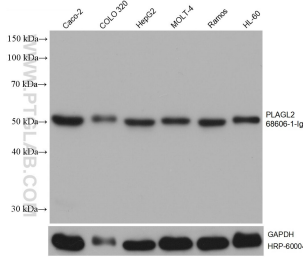
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

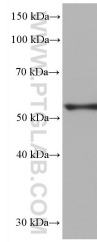
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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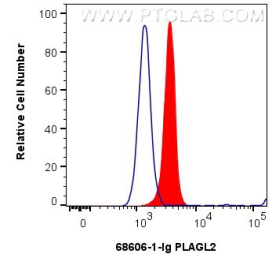
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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. This data was developed using the same antibody clone with 68606-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68606-1-PBS in a different storage buffer formulation.



1×10^6 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). This data was developed using the same antibody clone with 68606-1-PBS in a different storage

