

For Research Use Only

ASL Monoclonal antibody, PBS Only

Catalog Number: 67692-1-PBS



Basic Information

Catalog Number: 67692-1-PBS	GenBank Accession Number: BC008195	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 435	CloneNo.: 1G9H3
Source: Mouse	UNIPROT ID: P04424	
Isotype: IgG2b	Full Name: argininosuccinate lyase	
Immunogen Catalog Number: AG30517	Calculated MW: 55 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse, rat, pig

Background Information

Argininosuccinate lyase (ASL), one of the significant UC enzymes, catalyzes argininosuccinate cleavage to generate arginine and fumarate. Arginine is then catalyzed by arginase to ornithine and polyamines, which are found to promote cancer cell proliferation and growth. Importantly, ASL ectopic expression is closely associated with poor prognosis of colorectal cancer, hepatocellular. ASL is a member of the aspartase/fumarase superfamily. Enzymes of this superfamily share similar tetrameric structure and active site, though the sequence identities between different members are quite low (less than 20%). Members of this superfamily have been recognised as drug targets for microbial infections. ASL is a 464-amino-acid enzyme with a molecular mass of 49.7 kDa. (PMID: 22386318 PMID: 31018905)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

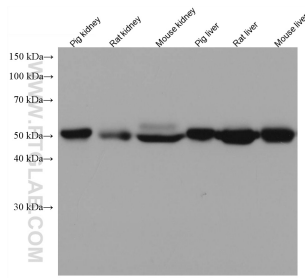
T: 4006900926

E: Proteintech-CN@ptglab.com

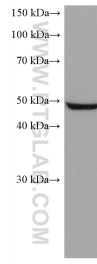
W: ptgcn.com

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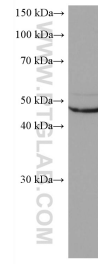
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67692-1-Ig (ASL antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67692-1-PBS in a different storage buffer formulation.



LNCaP cells were subjected to SDS PAGE followed by western blot with 67692-1-Ig (ASL antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67692-1-PBS in a different storage buffer formulation.



K-562 cells were subjected to SDS PAGE followed by western blot with 67692-1-Ig (ASL antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67692-1-PBS in a different storage buffer formulation.