

For Research Use Only

PLOD1 Recombinant monoclonal antibody

Catalog Number: 85662-6-RR



Basic Information

Catalog Number: 85662-6-RR	GenBank Accession Number: BC016657	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5351	CloneNo.: 242403C11
Source: Rabbit	UNIPROT ID: Q02809	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	
Immunogen Catalog Number: AG31626	Calculated MW: 727 aa, 84 kDa	
	Observed MW: 84-88 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A375 cells, HeLa cells, U-251 cells
Species Specificity: human	

Background Information

PLOD1, as known as procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1, is a member of the PLOD family(Uniprot, GeneID:5351). PLOD1 participates in catalyzing hydroxylysine residue, which is critical for the formation of covalent cross-link (PMID:30003082). PLOD1 plays an important role in the development and progression of tumors. Aberrantly expressed PLOD1 promotes cancer aggressiveness in glioma and bladder cancer, providing a potential prognostic biomarker and therapeutic target (PMID:31199049, PMID:34040895). PLOD1 has 2 isoforms produced by alternative splicing.

Storage

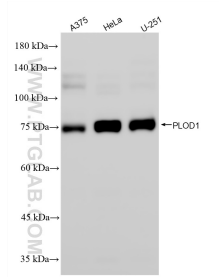
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

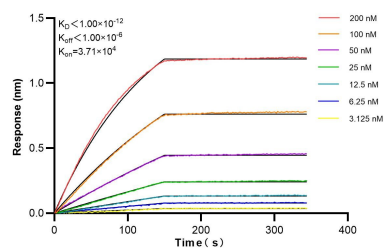
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech 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 85662-6-RR (PLOD1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85662-6-RR against Human PLOD1 were performed. The affinity constant is below 1 pM.