

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
Source: Rabbit	GeneID (NCBI): 5351	CloneNo.: 242403C11
Isotype: IgG	UNIPROT ID: Q02809	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: AG31626	Full Name: procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	
	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

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

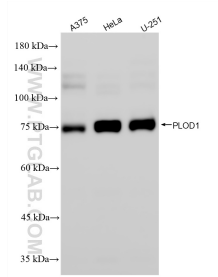
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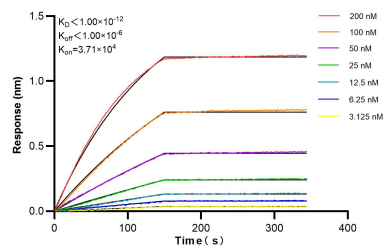
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Selected Validation Data



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.