

For Research Use Only

PLOD1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85662-6-PBS



Basic Information

Catalog Number:

85662-6-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31626

GenBank Accession Number:

BC016657

GeneID (NCBI):

5351

UNIPROT ID:

Q02809

Full Name:

procollagen-lysine 1, 2-oxoglutarate
5-dioxygenase 1

Calculated MW:

727 aa, 84 kDa

Observed MW:

84-88 kDa

Purification Method:

Protein A purification

CloneNo.:

242403C11

Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

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

Storage Buffer:

PBS only, pH7.3

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

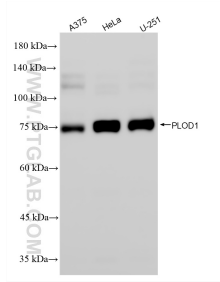
T: 4006900926

E: Proteintech-CN@ptglab.com

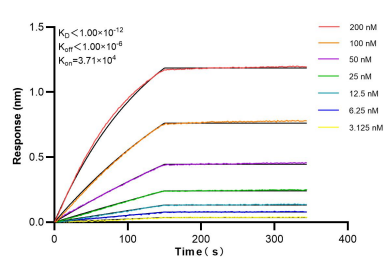
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85662-6-RR (PLOD1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85662-6-PBS in a different storage buffer formulation.



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