

For Research Use Only

OGDHL Recombinant antibody, PBS Only



Catalog Number: 82981-1-PBS

Basic Information

Catalog Number: 82981-1-PBS	GenBank Accession Number: BC026320	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 55753	CloneNo.: 230228B2
Source: Rabbit	UNIPROT ID: Q9ULDO	
Isotype: IgG	Full Name: oxoglutarate dehydrogenase-like	
Immunogen Catalog Number: AG10794	Calculated MW: 1010 aa, 115 kDa	

Applications

Tested Applications:
IF, IHC, Indirect ELISA

Species Specificity:
Human

Background Information

OGDHL(oxoglutarate dehydrogenase-like) is also named as KGDE1KL, FLJ10851, KIAA1290 and belongs to the alpha-ketoglutarate dehydrogenase family. OGDHL is one of the rate-limiting component of the multienzyme OGDH complex (OGDHC) whose malfunction is associated with neuro-degeneration and it is localized only in the mitochondrial fraction and not in the cytosolic or nuclear fractions(PMID:23152800). OGDHL negatively regulates cell proliferation by inducing apoptosis in cervical cancer cells. It may thus participate in brain-specific control of 2-oxoglutarate distribution between energy production and synthesis of the neurotransmitter glutamate(PMID:18783430). It has 3 isoforms(114 kDa, 108 kDa, 91 kDa) produced by alternative splicing.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

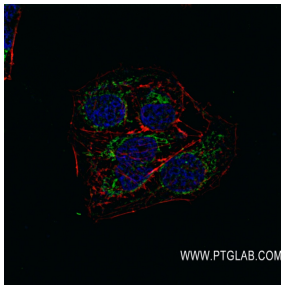
T: 4006900926

E: Proteintech-CN@ptglab.com

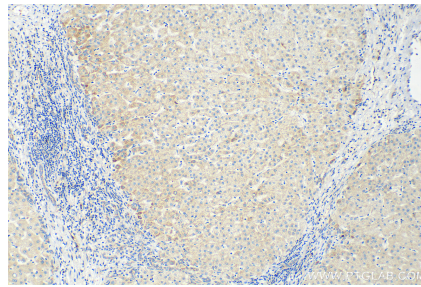
W: ptgcn.com

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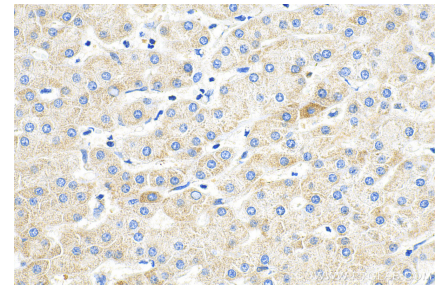
Selected Validation Data



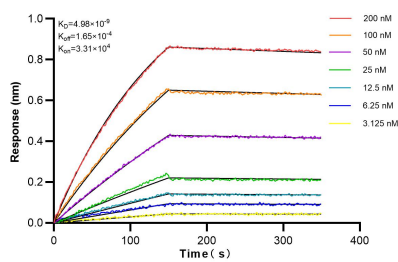
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using OGDHL antibody (82981-1-RR, Clone: 230228B2) at dilution of 1:300 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 82981-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 82981-1-RR (OGDHL antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82981-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 82981-1-RR (OGDHL antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82981-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82981-1-RR against Human OGDHL were performed. The affinity constant is 4.98 nM.