

For Research Use Only

IDH2 Recombinant antibody, PBS Only



Catalog Number: 82117-1-PBS

Basic Information

Catalog Number: 82117-1-PBS	GenBank Accession Number: BC009244	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 3418	CloneNo.: 1B1
Source: Rabbit	UNIPROT ID: P48735	
Isotype: IgG	Full Name: isocitrate dehydrogenase 2 (NADP+), mitochondrial	
Immunogen Catalog Number: AG8779	Calculated MW: 452 aa, 51 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications:
WB,IP,Indirect ELISA,IHC

Species Specificity:
Human, mouse, rat

Background Information

IDH2, also named as IDP and ICD-M, belongs to the isocitrate and isopropylmalate dehydrogenases family. It plays a role in intermediary metabolism and energy production. IDH2 is a mitochondrial NADP-dependent isocitrate dehydrogenase that catalyzes oxidative decarboxylation of isocitrate to alpha-ketoglutarate, producing NADPH. It may tightly associate or interact with the pyruvate dehydrogenase complex. IDH1 and IDH2 mutations could also contribute to tumorigenesis and cancer progression through increased mutagenesis. IDH2 has 2 isoforms with the MW of 51 kDa and 45 kDa, and the mature form is about 47 kDa and 41 kDa with the N-terminal transit peptide cleaved.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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

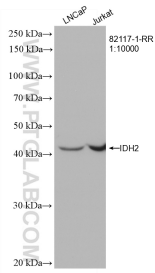
T: 4006900926

E: Proteintech-CN@ptglab.com

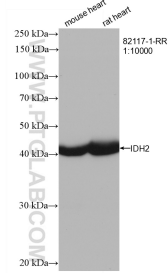
W: ptgcn.com

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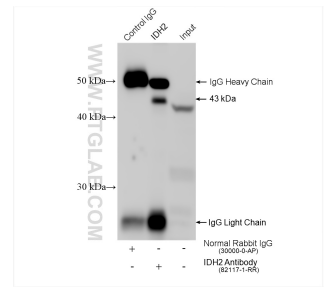
Selected Validation Data



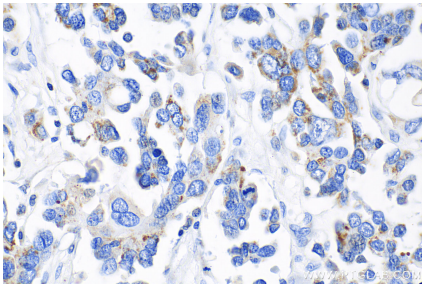
Various lysates were subjected to SDS PAGE followed by western blot with 82117-1-RR (IDH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82117-1-PBS in a different storage buffer formulation.



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IP result of anti-IDH2 (IP: 82117-1-RR, 4ug; Detection: 82117-1-RR 1:1000) with mouse brain tissue lysate 1280 ug. This data was developed using the same antibody clone with 82117-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 82117-1-RR (IDH2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 82117-1-PBS in a different storage buffer formulation.