

Allgemeine Informationen

Katalog-Nr.: 82117-1-RR	GenBank-Zugangsnummer: BC009244	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von3418 Nanodrop;	GeneID (NCBI): isocitrate dehydrogenase 2 (NADP+), mitochondrial	CloneNo.: 1B1
Wirt: Kaninchen	Vollständiger Name: isocitrate dehydrogenase 2 (NADP+), mitochondrial	Empfohlene Verdünnungen: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotyp: IgG	Berechnete Masse: 452 aa, 51 kDa	
Immunogen Katalognummer: AG8779	Beobachtete Masse: 43 kDa	

Anwendungen

Geprüfte Anwendungen:

IHC, WB, ELISA

Getestete Reaktivität:

Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : LNCaP-Zellen, Jurkat-Zellen, Mausherzgewebe, Rattenherzgewebe

IHC : humanes Kolonkarzinomgewebe,

Hintergrundinformationen

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.

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

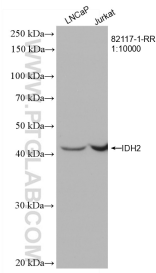
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

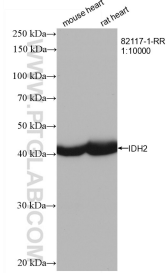
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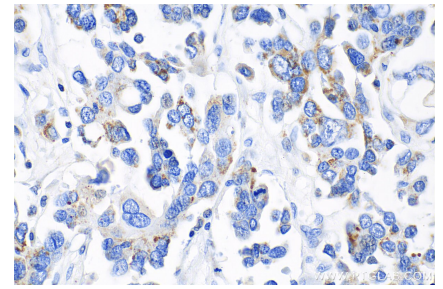
Ausgewählte Validierungsdaten



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.



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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).