

Nur für Forschungszwecke

# IDH2 Monoklonaler Antikörper

Katalog-Nr.:66918-1-Ig

Vorgestelltes Produkt



## Allgemeine Informationen

Katalog-Nr.:

66918-1-Ig

Größe:

150ul, Konzentration: 1800 µg/ml von 3418

Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Maus

Isotyp:

IgG1

Immunogen Katalognummer:

AG8950

GenBank-Zugangsnummer:

BC009244

GeneID (NCBI):

3418

Vollständiger Name:

isocitrate dehydrogenase 2 (NADP+), mitochondrial

Berechnete Masse:

452 aa, 51 kDa

Beobachtete Masse:

41-47 kDa

Reinigungsmethode:

Protein-G-Reinigung

CloneNo.:

1F10A10

Empfohlene Verdünnungen:

WB 1:1000-1:4000

## Anwendungen

Geprüfte Anwendungen:

WB, ELISA

Getestete Reaktivität:

Human

Positivkontrollen:

WB: Jurkat-Zellen, HEK-293-Zellen, HepG2-Zellen, K-562-Zellen, SH-SY5Y-Zellen

## 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

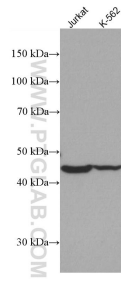
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

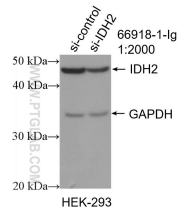
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## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 66918-1-Ig (IDH2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of IDH2 antibody (66918-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IDH2 transfected HEK-293 cells.