

Rabbit anti-Human Isocitrate dehydrogenase/IDH1 Polyclonal Antibody | anti-IDH1 antibody

Anti-Isocitrate dehydrogenase/IDH1 Antibody, Rabbit Polyclonal

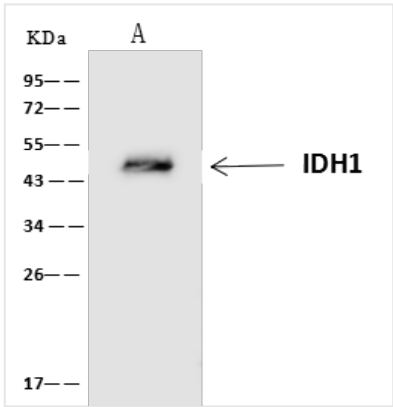
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256103	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

Isocitrate dehydrogenase/IDH1; Polyclonal Antibody; Anti-Isocitrate dehydrogenase/IDH1 Antibody; Rabbit Polyclonal; Isocitrate dehydrogenase/IDH1 Antibody; Rabbit PAb; Antigen Affinity Purified; isocitrate dehydrogenase 1 (NADP+); soluble; Anti-HEL-216 Antibody; Anti-HEL-S-26 Antibody; Anti-IDCD Antibody; Anti-IDH Antibody; Anti-IDP Antibody; Anti-IDPC Antibody; Anti-PICD Antibody; anti-IDH1 antibody

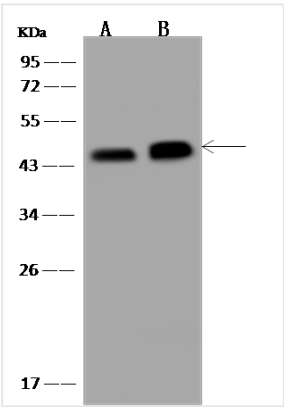
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Isocitrate dehydrogenase/IDH1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-IDH1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human Isocitrate dehydrogenase/IDH1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human Isocitrate dehydrogenase/IDH1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

IDH1 was immunoprecipitated using: Lane A: 0.5 mg HepG2 HeLa Whole Cell Lysate 4 uL anti-IDH1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-IDH1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 46 kDa. Observed band size: 46 kDa.



WB (Western Blot)

Anti-IDH1 rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: HepG2 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 46 kDa. Observed band size: 46 kDa.

ADDITIONAL INFORMATION

References

Takano S, et al. (2011) Detection of IDH1 mutation in human gliomas: comparison of immunohistochemistry and sequencing. Brain Tumor Pathol. 28(2): 115-23. Geisbrecht BV, et al. (1999) The human PICD gene encodes a cytoplasmic and peroxisomal NADP(+)-dependent isocitrate dehydrogenase. J Biol Chem. 274(43): 30527-30533. Nekrutenko A, et al. (1998) Cytosolic isocitrate dehydrogenase in humans, mice, and voles and phylogenetic analysis of the enzyme family. Mol Biol Evol. 15(12): 1674-1684. Henke B, et al. (1998) IDP3 encodes a peroxisomal NADP-dependent isocitrate dehydrogenase required for the beta-oxidation of unsaturated fatty acids. J Biol Chem. 273(6): 3702-3711. Gabriel JL, et al. (1986) Activity of purified NAD-specific isocitrate dehydrogenase at modulator and substrate concentrations approximating conditions in mitochondria. Metabolism. 35(7): 661-667.

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