

产品名称: IDH3A Rabbit Polyclonal Antibody
产品货号: APRab12355



产品概述 (Summary)

产品名称 (Production Name)	IDH3A Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	IDH3A
别名 (Alternative Names)	IDH3A; Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial; Isocitric dehydrogenase subunit alpha; NAD(+)-specific ICDH subunit alpha
基因 ID (Gene ID)	3419.0
蛋白 ID (SwissProt ID)	P50213.Synthesized peptide derived from the Internal region of human IDH3A.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	39kDa

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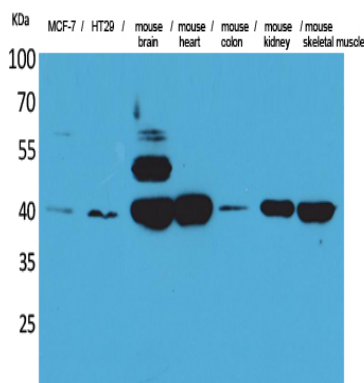
研究背景 (Background)

Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the alpha subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. [provided by RefSeq, Jul 2008], catalytic activity: Isocitrate + NAD(+) = 2-oxoglutarate + CO(2) + NADH., cofactor: Binds 1 magnesium or manganese ion per subunit., similarity: Belongs to the isocitrate and isopropylmalate dehydrogenases family., subunit: Heterooligomer of subunits alpha, beta, and gamma in the apparent ratio of 2:1:1.,

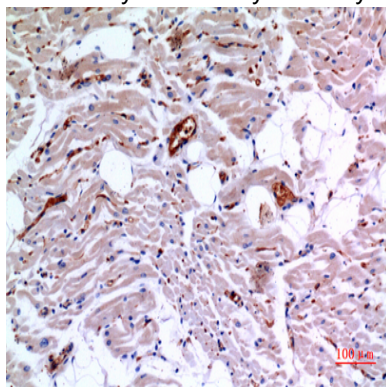
研究领域 (Research Area)

Citrate cycle (TCA cycle);

图片 (Image Data)



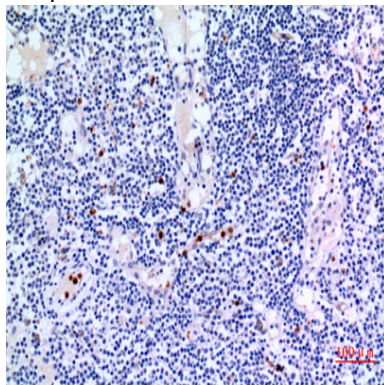
Western Blot analysis of MCF-7, HT29, mouse brain, mouse heart, mouse colon, mouse kidney, mouse skeletal muscle cells using IDH3A Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



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Immunohistochemical analysis of paraffin-embedded human-心, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lymph-gland, antibody was diluted at 1:100

注意事项 (Note)

For research use only .