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IDH2 (YD15358) Rabbit mAb

货号: AYD13961

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC ICC/IF FC
推荐浓度	**WB: 1:1000-1:5000:** **IHC-P: 1:100-1:200:** **ICC/IF: 1:200-1:1000:** **FC: 1:100-1:1000:**
理论分子量	51kDa
实测分子量	43 kDa-51KD
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Jurkat,Mouse heart,Mouse kidney,Rat kidney
细胞定位	Mitochondrion
纯化	亲和纯化

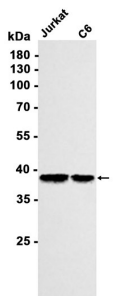
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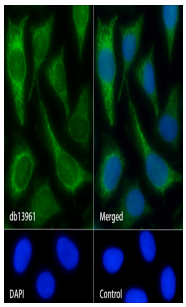
靶点信息

研究背景	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. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants.
基因ID	3418
基因名	IDH2
Swiss	P48735 (https://www.uniprot.org/uniprotkb/P48735/entry)
别名	IDH2 (YD15358),IDH2 (YD15358) Rabbit mAb,IDH2,ICD-M,IDP,NADP(+)-specific ICDH,Oxalosuccinate decarboxylase

产品验证



Western blot analysis of extracts from Jurkat cells and Rat brain tissue using AYD13961 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling IDH2 with The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1 h. The cells were then incubate with AYD13961 (1:500) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 . Nuclear DNA was labeled in blue with DAPI.

实验步骤

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