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Antibody type:	Polyclonal Antibody
Applications:	WB IHC IF
Reactivity:	Human Mouse Rat
Molecular Weight:	116kDa
Immunogen:	Recombinant protein of human OGDH
Gene ID:	4967
Swiss-Prot No.:	Q02218
Altername:	AKGDH;E1k;OGDC
Source:	Rabbit
Isotype:	IgG
Purification:	Affinity purification
Storage/Stability:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Background:	This gene encodes one subunit of the 2-oxoglutarate dehydrogenase complex. This complex catalyzes the overall conversion of 2-oxoglutarate (alpha-ketoglutarate) to succinyl-CoA and CO(2) during the Krebs cycle. The protein is located in the mitochondrial matrix and uses thiamine pyrophosphate as a cofactor. A congenital deficiency in 2-oxoglutarate dehydrogenase activity is believed to lead to hypotonia, metabolic acidosis, and hyperlactatemia.

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	Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Dilution:	WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100
Shipping&Stablity:	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.