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10-6544: Mouse Monoclonal Antibody to PDK2 (Clone: 180CT10.2.3)(Discontinued)

Clonality :	Monoclonal
Clone Name :	180CT10.2.3
Application :	WB,IHC-P
Reactivity :	Human,Mouse
Gene :	PDK2
Gene ID :	5164
Uniprot ID :	Q15119
Format :	Purified
Alternative Name :	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial, Pyruvate dehydrogenase kinase isoform 2, PDH kinase 2, PDKII, PDK2, PDHK2
Isotype :	Mouse IgG1,Kappa
Immunogen Information :	Recombinant Protein

Description

Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

Product Info

Amount :	80 µl / 400 µl
Purification :	Protein G Chromatography
Content :	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage condition :	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

Application Note

IHC-P~1:25|| WB~1:100-2000

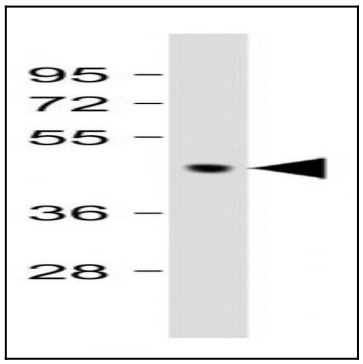


Figure 1: Anti-PDK2 Antibody (10-6544) at 1:1000 dilution + human heart lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 46 kDa.

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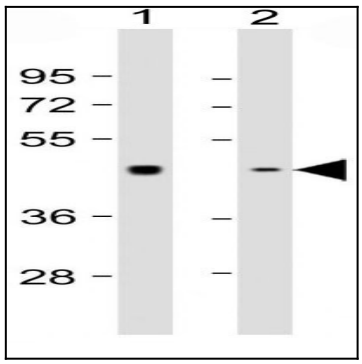


Figure 2: All lanes : Anti- at 1:1000 dilution with Lane 1: human heart lysate, Lane 2: human skeletal muscle lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 46 kDa.

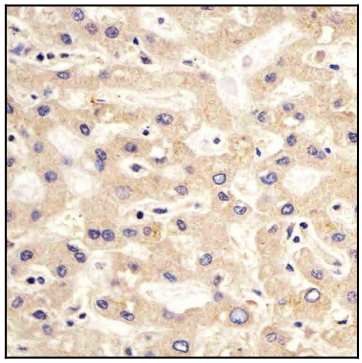


Figure 3: Staining of PDK2 antibody (10-6544) in human liver sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

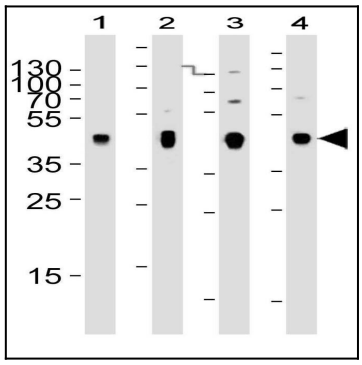


Figure 4: Western blot analysis of PDK2 antibody (10-6544) with lane 1: human skeletal muscle, lane 2: human brain, lane 3: mouse brain, lane 4: rat brain tissue. PDK2 antibody was diluted at 1:2000 at each lane. A goat anti-mouse IgG H&L (HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 20Î¼g per lane.

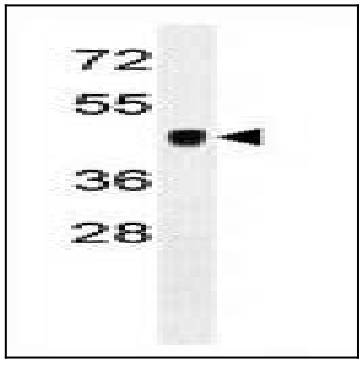


Figure 5: Western blot analysis of PDK2 antibody (10-6544) in mouse cerebellum tissue lysates (35Î¼g/lane). This demonstrates the PDK2 antibody detected the PDK2 protein.

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