antibodies - online.com







anti-ACLY antibody (pSer455)



Images



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Quantity:	100 μL	
Target:	ACLY	
Binding Specificity:	pSer455	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ACLY antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)	

Product Details

Immunogen:	A synthetic phosphorylated peptide around S455 of human ACLY (NP_001087.2).	
Sequence:	TASFS	
Isotype:	IgG	
Cross-Reactivity:	Mouse, Rat	
Characteristics:	Phosphorylated Antibodies	
Purification:	Affinity purification	

Target Details

Target:	ACLY
Alternative Name:	ACLY (ACLY Products)

Target Details

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ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme is a tetramer (relative molecular weight approximately 440,000) of apparently identical subunits. It catalyzes the formation of acetyl-CoA and oxaloacetate from citrate and CoA with a concomitant hydrolysis of ATP to ADP and phosphate. The product, acetyl-CoA, serves several important biosynthetic pathways, including lipogenesis and cholesterogenesis. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. Multiple transcript variants encoding distinct isoforms have been identified for this gene.,ACLY,ACL,ATPCL,CLATP,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Insulin Receptor Signaling Pathway,Warburg Effect,Protein phosphorylation,ACLY

Molecular Weight: 91 kDa/119 kDa/120 kDa

Gene ID: 47

UniProt: P53396

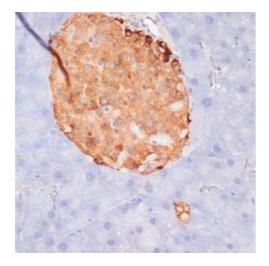
Pathways: Warburg Effect

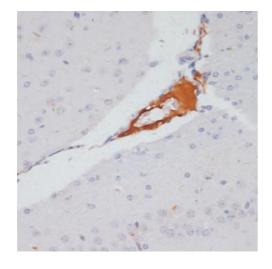
Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IP,1:50 - 1:100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.





Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse pancreas using Phospho-ACLY-S455 antibody (ABIN6135178, ABIN6136002, ABIN6136003 and ABIN6225678) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Western Blotting

Image 2. Western blot analysis of extracts of NIH/3T3 cells, using Phospho-ACLY-S455 antibody.

Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse brain using Phospho-ACLY-S455 antibody (ABIN6135178, ABIN6136002, ABIN6136003 and ABIN6225678) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 5 images are available for ABIN6136002.