Metabolism

Featured Rabbit Monoclonal Antibodies

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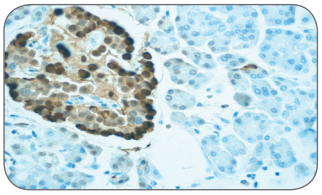
Glucagon

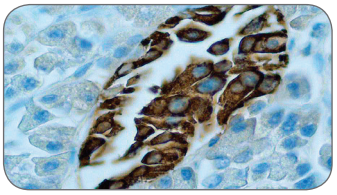
Glucagon is an important hormone involved in glucose metabolism and homeostasis. It regulates blood glucose by increasing gluconeogenesis and decreasing glycolysis. Glucagon is a counter regulatory hormone of insulin, and plays an important role in initiating and maintaining hyperglycemic conditions in diabetes.



Name	Cat#	Clone ID	Applications	Species
Glucagon	2810-1	EP3070	WB, IHC	Hu + Ms + Rt +

Insulin

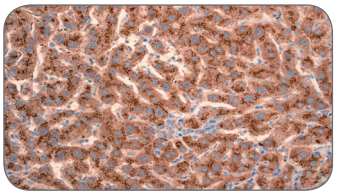
Insulin is a hormone that regulates glucose homeostasis. It increases cell permeability to monosaccharides, amino acids and fatty acids, and it accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver. Insulin is a heterodimer of a B chain and an A chain linked by two disulfide bonds. Defects in insulin result in diabetes mellitus.



Name	Cat#	Clone ID	Applications	Species
Insulin	3307-1	EPR3074	IHC	Hu +

Apolipoprotein D

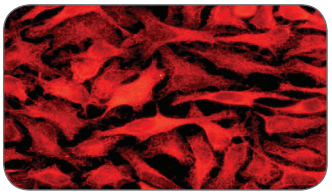
Apolipoprotein D is a component of high density lipoprotein that has no marked similarity to other apolipoprotein sequences. It has a high degree of homology to plasma retinol-binding protein and other members of the alpha 2 microglobulin protein superfamily of carrier proteins, also known as lipocalins. This glycoprotein is closely associated with the enzyme lecithin-cholesterol acyltransferase, an enzyme involved in lipoprotein metabolism.



Name	Cat#	Clone ID	Applications	Species
Apoplipoprotein D	2796-1	EPR2916	WB, IHC, ICC	Hu +

ATP-citrate lyase Phospho (pT447/pS451)

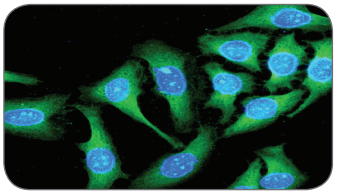
ATP citrate lyase (ACLY) is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. It has been suggested that ACL activity is required to link growth factor-induced increases in nutrient metabolism to the regulation of histone acetylation and gene expression.



Name	Cat#	Clone ID	Applications	Species
ATP-citrate lysase Phospho (pT447/ pS451)	1914-1	EP737Y	WB, ICC, IP	Hu + Ms + Rt +

Calpain 1 (Large Subunit)

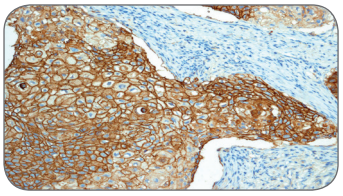
Calpains are calcium-dependent cysteine proteinases that are widely distributed in mammalian cells. Calpain cleaves many biologically important proteins and thus serves as a key regulator of many cellular functions. Calpain 1 (large subunit) is a Ca2+ regulated thiol protease that catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.



Name	Cat#	Clone ID	Applications	Species
Calpain 1 (Large Subunit)	2912-1	EPR3319	WB, IHC, ICC, FC	Hu + Ms + Rt +

Glut-1

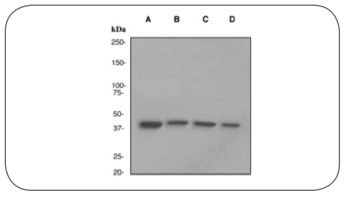
Glut-1 is a major glucose transporter in the mammalian blood-brain barrier. It is expressed in high density on the membranes of human erythrocytes and on the brain capillaries that comprise the blood-brain barrier. Mutations in Glut-1 have been found in a family with paroxysmal exertion-induced dyskinesia.



Name	Cat#	Clone ID	Applications	Species
Glut-1	2944-1	EPR3915	WB, IHC, ICC, FC	Hu + Ms + Rt +

ACADM

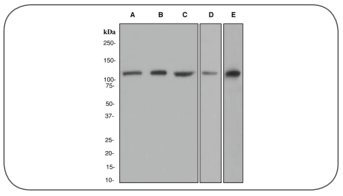
ACADM is a homotetramer enzyme of the mitochondrial flavoenzyme family that catalyzes the initial reaction in medium chain fatty acid beta-oxidation. Defects in the ACADM cause medium-chain acyl-CoA dehydrogenase deficiency (MCADD), a metabolic disorder characterized by fasting hypoglycemia.



Name	Cat#	Clone ID	Applications	Species
ACADM	2833-1	EPR3708	WB, IHC, ICC, IP	Hu + Ms + Rt +

UBA7

UBA7 (ubiquitin-like modifier activating enzyme 7) is a member of the E1 ubiquitin-activating enzyme family. This protein is a retinoid target that triggers promyelocytic leukemia (PML)/retinoic acid receptor alpha (RARalpha) degradation and apoptosis in acute promyelocytic leukemia, where it is involved in the conjugation of the ubiquitin-like interferon-stimulated gene 15 protein.



Name	Cat#	Clone ID	Applications	Species
UBA7	2978-1	EPR4270	WB, ICC, FC, IP	Hu +

Metabolism

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Protein Name	Cat #	Clone ID	Applications	Species
GLUCOSE METABOLISM				
Cytochrome C	1896-1	EP1326Y	WB, IHC ICC, IP	Hu
Cytochrome C	2119-1	EP1326Y	WB, IHC, FC	Hu, Ms, Rt
Cytochrome C Oxidase subunit 2	2575-1	EPR3314	WB, IHC, ICC, FC, IP	Hu
Cytochrome C Oxidase subunit 2	3343-1	EPR3313	WB, IHC, IP	Hu
Cytochrome P450 3A5	2968-1	EPR4396	WB, IHC, ICC, IP	Hu
GAPDH	2251-1	EPR1977Y	WB, IHC, ICC, IP	Hu, Ms, Rt
GLP-1 (active)	3394-1	EPR4042	ELISA, IHC	Hu, Ms, Rt
Glucagon	2752-1	EPR3070	WB, IHC	Hu
Glucagon	2810-1	EP3070	WB, IHC	Hu, Ms, Rt
Glucagon-like peptide 1	2914-1	EPR4042	WB, IHC	Hu
Glucagon-Like Peptide 1	2993-1	EPR4043	IHC	Hu, Ms, Rt
Glucagon-like peptide 2	2841-1	EPR3073	WB	Hu
Glut-1	2944-1	EPR3915	WB, IHC, ICC, FC	Hu, Ms, Rt
Glut-4	2203-1	EP930(2)AY	WB, IHC, FC, IP	Hu, Ms, Rt
Heme Oxygenase 1 (HO-1)	1922-1	EP1391Y	WB, IHC, ICC, IP	Hu, Ms
Heme Oxygenase 1 (HO-1)	2322-1	EPR1390Y	WB, ICC, IP	Hu, Ms, Rt
HtrA2	2544-1	EPR22	WB, IHC, ICC, FC, IP	Hu, Ms, Rt
HtrA2 (N-term)	1055-1	E55	WB, IHC, IP	Hu, Ms, Rt
INSR / IGF-R Phos (pY1185)	2182-1	EP351(2)Y	WB, ICC, IP	Hu
Insulin	2555-1	EPR3075	WB, IHC	Hu
Insulin	3307-1	EPR3074	IHC	Hu
IRS-1	1692-1	EP263Y	WB, IHC, ICC, IP	Hu
IRS-1 Phospho (pY896)	1813-1	EP260Y	WB	Hu, Ms, Rt
IRS-2	1802-1	EP903Y	WB, IHC, ICC, IP	Hu
IRS-2	1849-1	EP976Y	WB, IHC, IP	Hu
IRS-2	3375-1	EPR1650(2)	WB	Hu
IRS-2	3422-1	EPR904(2)	WB, IHC, FC	Hu, Ms
IRS-4 (C-term)	1958-1	EP907Y	WB, IHC, FC, IP	Hu
SLC7A5	3157-1	EPR3492(2)	WB, IHC, IP	Hu
TORC-1	2745-1	EPR3382	WB, ICC, FC	Hu, Ms, Rt
TORC-1	3331-1	EPR3381(2)	WB, IHC	Hu
TorC3	2670-1	EPR3440	WB, IHC, IP	Hu, Ms, Rt

Protein Name	Cat #	Clone ID	Applications	Species
GENERAL METABOLISM				
ABCD1	2098-1	EP1363Y	WB	Ms
ACADM	2833-1	EPR3708	WB, IHC, ICC, IP	Hu, Ms, Rt
Acetyl CoA Carboxylase 1	1768-1	EP687Y	WB, IHC	Hu, Ms, Rt
Adiponectin	2548-1	EPR3217	WB, ICC	Hu
Aldh1A1	2052-1	EP1933Y	WB, IHC, ICC, IP	Hu, Ms, Rt
Aldh2	3221-1	EPR4493	WB, IHC, ICC, IP	Hu, Ms, Rt
Aldh7A1	2070-1	EP1935Y	WB, IHC. ICC, IP	Hu, Ms
Apolipoprotein A1 (apo A1)	1920-1	EP1368Y	WB, IHC, ICC, IP	Hu
Apolipoprotein D	2796-1	EPR2916	WB, IHC, ICC	Hu
Apolipoprotein E (apo E)	1930-1	EP1374Y	WB, IHC, ICC, IP	Hu, Rt
Apolipoprotein F (apo F)	2636-1	EPR2908	WB, ICC	Hu, Ms
Apolipoprotein H	3323-1	EPR2898(2)	WB, ICC, IP	Hu, Rt
ATP-citrate lyase protein	1699-1	EP704Y	WB, FC, IP	Hu, Ms, Rt
ATP-citrate lyase Phospho (pT447/pS451)	1914-1	EP737Y	WB, ICC, IP	Hu, Ms, Rt
Calpain 1 (large subunit)	2912-1	EPR3319	WB, IHC, ICC, FC	Hu, Ms, Rt
Calpain 1 (small subunit)	2638-1	EPR3323	WB, IHC, ICC, FC	Hu, Ms, Rt
Calreticulin	2809-1	EPR3924	WB, IHC, ICC, IP, FC	Hu, Ms, Rt
Cathepsin D	2487-1	EPR3057Y	WB, IHC, ICC, FC, IP	Hu, Ms
GAPDH	2251-1	EPR1977Y	WB, IHC, ICC, IP	Hu, Ms, Rt
Glycogen Synthase (C-term)	1720-1	EP817Y	WB, IHC, ICC, FC, IP	Hu, Ms, Rt
LDH	1980-1	EP1563Y	WB, IHC, ICC, FC, IP	Hu, Ms, Rt
LDH-A (muscle subunit)	2468-1	EPR1564	WB, IHC, ICC, FC	Hu, Rt
LDH-B	2090-1	EP1565Y	WB, IHC, ICC, FC, IP	Hu
LRP1	2703-1	EPR3724	WB, IHC, ICC, IP	Hu, Ms, Rt
Lysozyme C	3349-1	EPR2994(2)	WB, IHC, ICC, IP	Hu, Ms
NQO1	2618-1	EPR3309	WB, ICC, IP	Hu, Ms
PAR4	2853-1	EPR3991	WB, IP	Hu, Ms
Prostaglandin E Synthase 3	2731-1	EPR3846	WB, ICC, IP	Hu, Ms, Rt
SOD2	2299-1	EPR2560Y	WB, IHC	Hu, Ms, Rt
Transglutaminase 2	2999-1	EP2957	WB, IHC, IP	Hu, Ms
Transglutaminase 2	3222-1	EPR2956	WB, ICC	Hu, Ms, Rt
UBA7	2978-1	EPR4270	WB, ICC, FC, IP	Hu

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