


Anti-Argininosuccinate Lyase antibody ab96215

4 图像

概述

产品名称	Anti-Argininosuccinate Lyase抗体
描述	兔多克隆抗体to Argininosuccinate Lyase
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF, IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Cow 
免疫原	Recombinant fragment corresponding to Human Argininosuccinate Lyase aa 86-335. Database link: P04424
阳性对照	WB: MOLT-4, HeLa, IHC-P: DLD1 xenograft. ICC/IF: HeLa.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab96215于以下的经测试应用

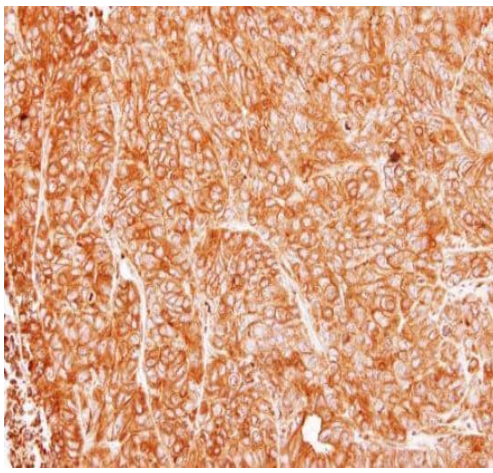
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 52 kDa.
ICC/IF		1/100 - 1/1000.
IHC-P		1/100 - 1/1000.

靶标

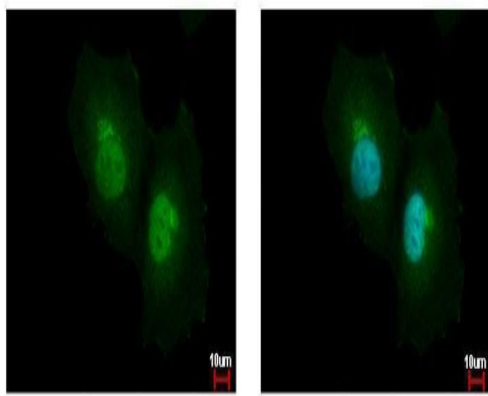
通路	Amino-acid biosynthesis; L-arginine biosynthesis; L-arginine from L-ornithine and carbamoyl phosphate: step 3/3. Nitrogen metabolism; urea cycle; L-arginine and fumarate from (N(omega)-L-arginino)succinate: step 1/1.
疾病相关	Defects in ASL are the cause of arginosuccinicaciduria (ARGINSA) [MIM:207900]. Arginosuccinicaciduria is an autosomal recessive disorder of the urea cycle. The disease is characterized by mental and physical retardation, liver enlargement, skin lesions, dry and brittle hair showing trichorrhexis nodosa microscopically and fluorescing red, convulsions, and episodic unconsciousness.
序列相似性	Belongs to the lyase 1 family. Argininosuccinate lyase subfamily.
翻译后修饰	Acetylation modifies enzyme activity in response to alterations of extracellular nutrient availability. Acetylation increased with trichostin A (TSA) or with nicotinamide (NAM). Glucose increases acetylation by about a factor of 3 with decreasing enzyme activity. Acetylation on Lys-288 is decreased on the addition of extra amino acids resulting in activation of enzyme activity.

图片



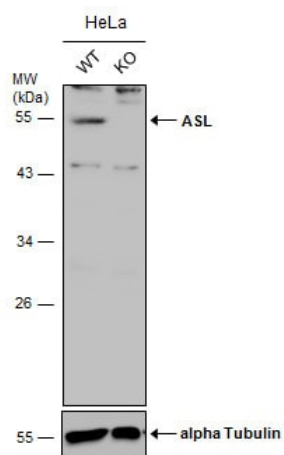
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Argininosuccinate Lyase antibody (ab96215)

Paraffin embedded DLD1 xenograft stained for ASL using ab96215 at 1/500 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-Argininosuccinate Lyase antibody (ab96215)

HeLa cells stained for ASL (green) using ab96215 at 1/500 dilution in ICC/IF.



Western blot - Anti-Argininosuccinate Lyase antibody (ab96215)

All lanes : Anti-Argininosuccinate Lyase antibody (ab96215) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell extract

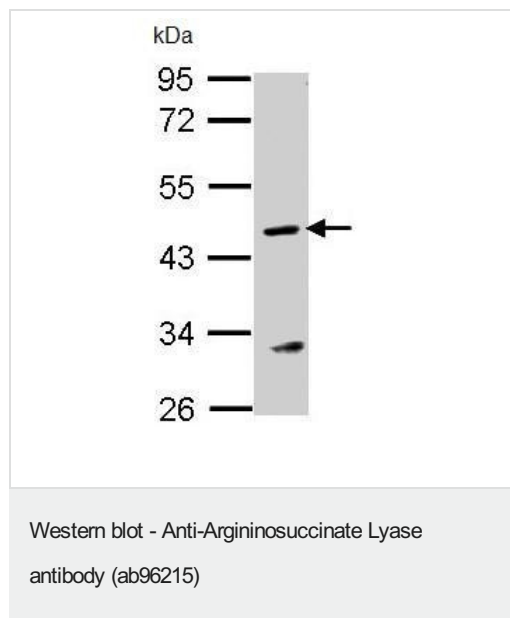
Lane 2 : Argininosuccinate Lyase Knockout HeLa cell extracts

Lysates/proteins at 30 μg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG

Predicted band size: 52 kDa



Anti-Argininosuccinate Lyase antibody (ab96215) at 1/1000 dilution
+ MOLT-4 whole cell lysate at 30 µg

Predicted band size: 52 kDa

10% SDS PAGE

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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