

# Anti-SLC7A5/LAT1 兔多克隆抗体

K1344613 -20°C



## 产品信息

蛋白质全称	大中性氨基酸转运小亚基 1
别名	4F2 LC, 4F2 light chain, 4F2LC, CD98 light chain, CD98LC, D16S469E, E16, hLAT1, Integral membrane protein E16, CD98, TA1, LAT1
免疫原	KLH 偶联的小鼠 SLC7A5/LAT1 合成肽
Uniprot ID	Q9Z127
抗体亚型	IgG
纯化方式	亲和纯化
预测分子量 / 观测分子量	56 kDa / 37 kDa

## 应用

### WB 免疫印迹

物种: 人, 小鼠, 大鼠

稀释比: 1: 1000-1: 1500

阳性样品: 肝

## 背景

The heterodimer with SLC3A2 functions as sodium-independent, high-affinity transporter that mediates uptake of large neutral amino acids such as phenylalanine, tyrosine, L-DOPA, leucine, histidine, methionine and tryptophan. Functions as an amino acid exchanger. May play a role in the transport of L-DOPA across the blood-brain barrier (Probable). May act as the major transporter of tyrosine in fibroblasts. May mediate blood-to-retina L-leucine transport across the inner blood-retinal barrier. Can mediate the transport of thyroid hormones triiodothyronine (T3) and thyroxine (T4) across the cell membrane. When associated with LAPT4B, the heterodimer formed by SLC3A2 and SLC7A5 is recruited to lysosomes to promote leucine uptake into these organelles, and thereby mediates mTORC1 activation.

## 储存条件

**储存条件:** 自收到之日起 -20°C下储存一年, 避免反复冻融。  
**储存缓冲液:** 含 0.15% ProClin300 防腐剂, 100 μg/mL 牛血清白蛋白和 50%甘油的磷酸盐缓冲液。

## 图像



WB 检测 SLC7A5/LAT1 蛋白(货号 K1344613).  
 样品: 经 RIPA 裂解液(货号 KSG2002)处理的蛋白质.  
 封闭: 3%脱脂牛奶(货号 KSGC310001)溶于 TBST 溶液,  
 室温孵育 1 小时.  
 一抗: 1: 1000 稀释, 4°C 孵育过夜.  
 二抗: HRP 标记山羊抗兔 IgG (H+L) (货号 KB69909), 1:  
 5000 稀释, 室温孵育 1 小时.

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