LAT1/SLC7A5 Rabbit pAb

货号: B10387

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	**WB:** Homo sapiens , Sus scrofa
应用	WB IF/ICC
推荐浓度	**WB:** 1:500 - 1:1000 **IF/ICC:** 1:100 - 1:500
理论分子量	55kDa
实测分子量	39KDa/50KDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Mouse testis
细胞定位	Apical cell membrane,Cytoplasm,Multi-pass membrane protein,cytosol
纯化	Affinity purification

抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-125 of human LAT1/SLC7A5 (NP_003477.4).
序列	MAGAGPKRRALAAPAAEEKEEAREKMLAAKSADGSAPAGEGEGVTLQRNITLLNGVAIIVGTIIGSGIFVTPTGVLKEAGSPGLALVVWAACGVFSIVGALCYAELGTTISKSGGDYAYMLEVYG

靶点信息

研究背景	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 (By similarity. May act as the major transporter of tyrosine in fibroblasts (Probable. May mediate blood-to-retina L-leucine transport across the inner blood-retinal barrier (By similarity. Can mediate the transport of thyroid hormones triiodothyronine (T3 and thyroxine (T4 across the cell membrane. When associated with LAPTM4B, the heterodimer formed by SLC3A2 and SLC7A5 is recruited to lysosomes to promote leucine uptake into these organelles, and thereby mediates mTORC1 activation. Involved in the uptake of toxic methylmercury (MeHg when administered as the L-cysteine or D,L-homocysteine complexes. Involved in the cellular activity of small molecular weight nitrosothiols, via the stereoselective transport of L-nitrosocysteine (L-CNSO across the membrane.
基因**ID**	8140
基因名	SLC7A5
Swiss	Q01650
别名	SLC7A5;4F2LC;CD98;D16S469E;E16;LAT1;MPE16;hLAT1

产品验证

实验步骤

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