

# ALDH18A1 Rabbit pAb

货号: **AYP19773**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	<b>WB:</b> 1:500 - 1:2000
理论分子量	87kDa
实测分子量	87kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	U-87MG,Mouse testis,Rat brain
细胞定位	Mitochondrion inner membrane
纯化	Affinity purification

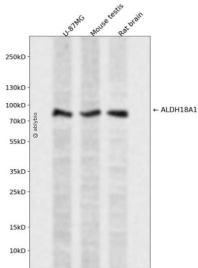
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-240 of human ALDH18A1 (NP_002851.2).
序列	MLSQVYRCGFQPFNQHLLPWVKCTTVFRSHCIQPSVIRHVRSWSNIPFITVPLSRTHGKSFHRSELKHAKRIVVKLGSAAV TRGDECGALGLASIVEQVSVLQNGREMMLVTSGAVAFGKQRLRHEILLSQSVRQALHSGQNQLKEMAIPLVLEARACA AAGQSGLMALYEAMFTQYSICAAQILVTNLDHFHDEQKRRNLNGTLHELLRMNIVPIVNTNDAVVPPAEPNSDLQGVNV

## 靶点信息

研究背景	This gene is a member of the aldehyde dehydrogenase family and encodes a bifunctional ATP- and NADPH-dependent mitochondrial enzyme with both gamma-glutamyl kinase and gamma-glutamyl phosphate reductase activities. The encoded protein catalyzes the reduction of glutamate to delta1-pyrroline-5-carboxylate, a critical step in the de novo biosynthesis of proline, ornithine and arginine. Mutations in this gene lead to hyperammonemia, hypornithinemia, hypocitrullinemia, hypoargininemia and hypoprolineamia and may be associated with neurodegeneration, cataracts and connective tissue diseases. Alternatively spliced transcript variants, encoding different isoforms, have been described for this gene.
基因ID	5832
基因名	ALDH18A1
Swiss	P54886
别名	ALDH18A1;ADCL3;ARCL3A;GSAS;P5CS;PYCS;SPG9;SPG9A;SPG9B

## 产品验证



Western blot analysis of ALDH18A1 expressed in U-87MG, Mouse testis, Rat brain using ALDH18A1 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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