

Anti-GAD65 兔多克隆抗体

K134686 -20°C



产品信息

蛋白质全称	谷氨酸脱羧酶 2
别名	GAD2, GAD65, Glutamate decarboxylase 2, 65 kDa glutamic acid decarboxylase, DCE 2, Glutamic Acid Decarboxylase 2, Glutamic Acid Decarboxylase 65
免疫原	小鼠 GAD65 重组蛋白
Uniprot ID	P48320
抗体亚型	IgG
纯化方式	亲和纯化
预测分子量 / 观测分子量	65 kDa / 65 kDa

应用

WB 免疫印迹

物种：人，小鼠，大鼠

稀释比：1: 500-1: 1000

阳性样品：海马体，脑

背景

Glutamate decarboxylase or glutamic acid decarboxylase (GAD) is an enzyme that catalyzes the decarboxylation of glutamate to GABA and CO₂. GAD uses PLP as a cofactor. In mammals, GAD exists in two isoforms with molecular weights of 67 and 65 kDa (GAD67 and GAD65). GAD67 and GAD65 are expressed in the brain where GABA is used as a neurotransmitter, and they are also expressed in the insulin-producing β -cells of the pancreas. GAD65, synthesizes GABA for neurotransmission, and therefore is only necessary at nerve terminals and synapses. In order to aid in neurotransmission, GAD65 forms a complex with Heat Shock Cognate 70 (HSC70), cysteine string protein (CSP) and Vesicular GABA transporter VGAT, which, as a complex, helps package GABA into vesicles for release during neurotransmission.

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 μ g/mL 牛血清白蛋白和 50%甘油的磷酸盐缓冲液。

图像



WB 检测 GAD65 蛋白(货号 K134686).
 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: 500 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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