神经细胞特异性钙结合蛋白抗体

产品货号： mlR11348

英文名称： Hippocalcin

中文名称： 神经细胞特异性钙结合蛋白抗体

别　　名： BDR 2; BDR2; Calcium binding protein BDR 2; Calcium binding protein BDR2; Calcium-binding protein BDR-2; Hpca; HPCA_HUMAN; Neuron specific calcium binding protein hippocalcin; Neuron specific calcium-binding protein hippocalcin; Neuron-specific calcium-binding protein hippocalcin; P23K.

研究领域： 细胞生物　神经生物学　结合蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Cow, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500（石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 22kDa

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human Hippocalcin:101-193/193

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20℃. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

PubMed： PubMed

产品介绍： Hippocalcin is a neuron-specific calcium-binding protein found primarily in the plasma membrane of brain and retinal tissue, with increased expression observed in hippocampal pyramidal cells. Through its calcium-dependent signal regulation, hippocalcin can both inhibit rhodopsin kinase and increase phospholipase D2 expression. In order to regulate kinase and phospholipase activity, hippocalcin must bind to the plasma membrane where it can then bind two calcium ions for use in signal regulation. The hippocalcin protein is highly conserved in mouse, rat and human tissue and has a suggested role in neural plasticity and associative memory by contributing to the survival of neurons during aging. The loss of hippocalcin expression is thought to contribute to age-related impairment of post-synaptic functions related to neuronal degradation.

Function:

May be involved in the calcium-dependent regulation of rhodopsin phosphorylation. Binds two calcium ions.

Tissue Specificity:

Brain specific.

Post-translational modifications:

Myristoylation facilitates interaction with membranes.

Similarity:

Belongs to the recoverin family.

Contains 4 EF-hand domains.

SWISS:

P84074

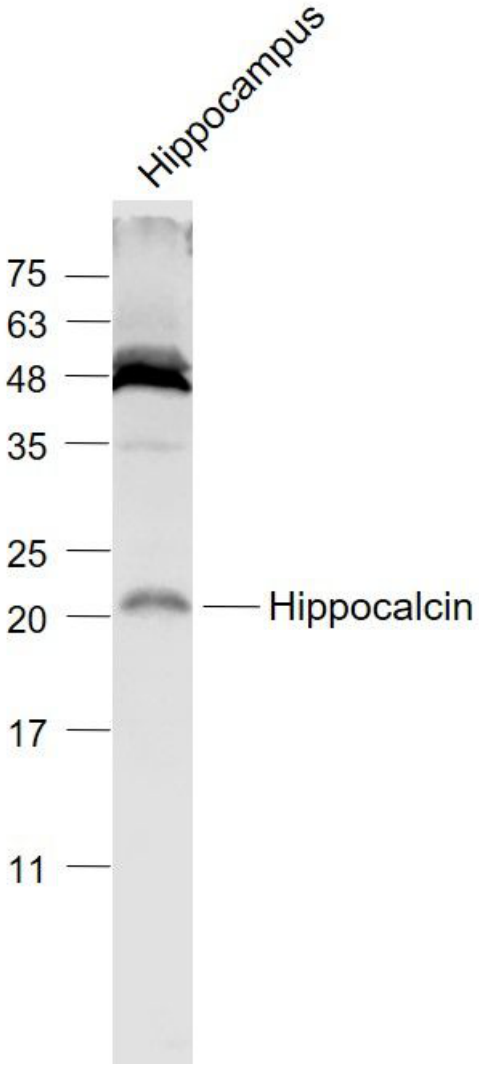
Gene ID:

3208

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片


Hippocampus
75
63
48
35
25
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Hippocalcin