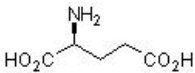


L-Glutamate, excitatory neurotransmitter ab120049

8 References **2 图像**

概述

产品名称	L-Glutamate, excitatory neurotransmitter
描述	Excitatory neurotransmitter
生物学描述	Major excitatory neurotransmitter. Acts at glutamate receptors. Active <i>in vivo</i> .
CAS编号	56-86-0
化学结构	

性能

化学名称	(S)-2-Aminopentanedioic acid
分子量	147.13
分子式	C ₅ H ₉ NO ₄
PubChem识别号	33032
存放说明	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in 1 eq. NaOH to 100 mM and in water to 25mM
处理	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	OC(=O)CC[C@H](N)C(=O)O
来源	Synthetic

应用

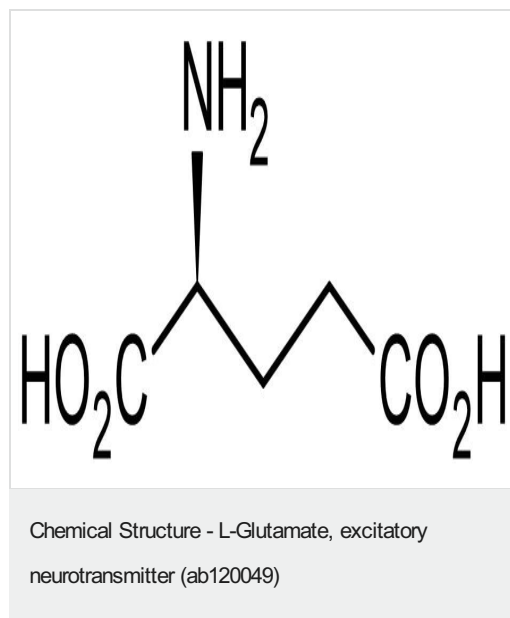
The Abpromise guarantee

Abpromise™ 承诺保证使用ab120049于以下的经测试应用

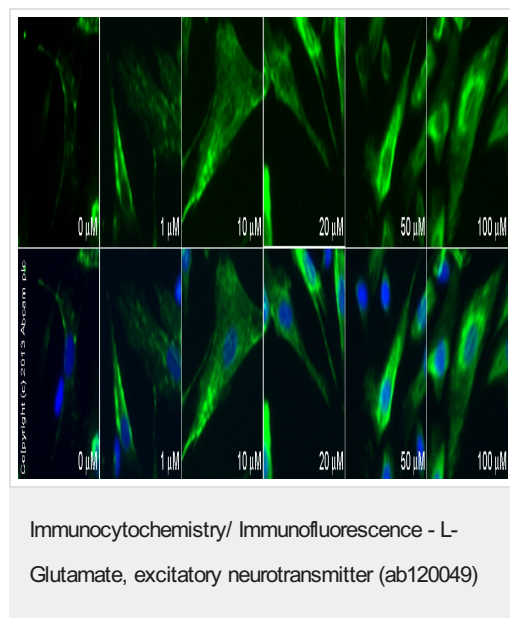
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



2D chemical structure image of ab120049, L-Glutamate, excitatory neurotransmitter



ab55051 staining GABA B receptor 1 in SK-N-SH cells treated with L-Glutamate (ab120049), by ICC/IF. Internalization of GABA B receptor 1 correlates with increased concentration of L-Glutamate, as described in literature.

The cells were incubated at 37°C for 30 minutes in media containing different concentrations of ab120049 (L-Glutamate) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab55051** (1 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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