

囊泡谷氨酸转运蛋白 2 抗体

产品货号： mlR9686

英文名称： VGLUT2

中文名称： 囊泡谷氨酸转运蛋白 2 抗体

别名： Differentiation associated BNPI; Differentiation associated Na dependent inorganic phosphate cotransporter; Differentiation associated Na(+) dependent inorganic phosphate cotransporter; Differentiation-associated BNPI; Differentiation-associated Na(+)-dependent inorganic phosphate cotransporter; DNPI; SLC17A6; Sodium dependent inorganic phosphate cotransporter; Solute carrier family 17 (Sodium dependent inorganic phosphate cotransporter) member 6; Solute carrier family 17 member 6; Vesicular glutamate transporter 2; Vesicular glutamate transporter type 2; VGLU2_HUMAN; VGLUT 2; VGluT2.

研究领域： 肿瘤 细胞生物 神经生物学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse,

产品应用： 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： 64kDa

细胞定位： 细胞浆 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human VGLUT2:10-110/582

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 °C 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°C. 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 °C.

PubMed : PubMed

产品介绍 : The ATP-dependent, chloride-sensitive vesicular glutamate transporters (VGLUT) include BNPI (VGLUT1), VGLUT2 (DNPI) and VGLUT3. The brain expresses BNPI (brain specific Na⁺-dependent inorganic phosphate (Pi) cotransporter) and VGLUT2 in a complementary fashion. The telencephalic regions express BNPI, whereas the lower brainstem and diencephalic regions express VGLUT2. Rat pinealocytes express both BNPI and VGLUT2. The striatum, hippocampus, cerebral cortex and raphe nuclei express VGLUT3 in a small number of neurons. Pancreatic a and b cells express BNPI and VGLUT2 in response to glucose concentrations. Human VGLUT3 shares a 72% sequence homology with VGLUT2 and BNPI.

Function:

Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate.

Subcellular Location:

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Membrane; Multi-pass membrane protein (Potential). Cell junction, synapse, synaptosome.

Tissue Specificity:

Predominantly expressed in adult brain. Expressed in amygdala, caudate nucleus, cerebral cortex, frontal lobe, hippocampus, medulla, occipital lobe, putamen, spinal cord, substantia nigra, subthalamic nucleus, temporal lobe and thalamus.

Similarity:

Belongs to the major facilitator superfamily. Sodium/anion cotransporter family. VGLUT subfamily

SWISS:

Q9P2U8

Gene ID:

57084

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

