轴突相关粘附分子抗体

产品货号： mlR11074

英文名称： CNTN4/AXCAM

中文名称： 轴突相关粘附分子抗体

别　　名： BIG 2; CNTN4A; AXCAM; Axonal associated cell adhesion molecule; BIG-2; Brain derived immunoglobulin superfamily protein 2; Brain-derived immunoglobulin superfamily protein 2; Cntn4; CNTN4_HUMAN; contactin 4; Contactin-4; Neural cell adhesion protein BIG 2; SCA16.

研究领域： 神经生物学　细胞粘附分子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse, Sheep,

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： 109kDa

细胞定位： 细胞膜 分泌型蛋白

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human CNTN4/AXCAM:1-100/1026

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： Contactin 4 is a 1,026 amino acid protein encoded by the human gene CNTN4. Contactin 4 belongs to the immunoglobulin superfamily and is a member of the Contactin family. Contactin 4 contains four fibronectin type-3 domains, six Ig-like C2-type domains, and has three isoforms (1,2,3). Defects in the CNTN4 gene are a cause of 3p deletion syndrome (3PDS). 3PDS is a rare contiguous gene disorder involving the loss of the telomeric portion of the short arm of chromosome 3 and is characterized by developmental delay, growth retardation, and dysmorphic features. Contactin 4 is primarily expressed in brain tissue. Highest expression has been found to be in the cerebellum, with lowest levels found in corpus callosum, caudate nucleus, amygdala and spinal cord. Some expression is also found in testis, pancreas, thyroid, uterus, small intestine and kidney. Contactin 4 is not believed to be expressed in skeletal muscle. Isoform 2 is weakly expressed in cerebral cortex.

Function:

Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity. May be involved in synaptogenesis.

Subcellular Location:

Cell membrane. Secreted.

Tissue Specificity:

Mainly expressed in brain. Highly expressed in cerebellum and weakly expressed in corpus callosum, caudate nucleus, amygdala and spinal cord. Also expressed in testis, pancreas, thyroid, uterus, small intestine and kidney.

Not expressed in skeletal muscle. Isoform 2 is weakly expressed in cerebral cortex.

DISEASE:

Note=A chromosomal aberration involving CNTN4 has been found in a boy with characteristic physical features of 3p deletion syndrome (3PDS). Translocation t(3;10)(p26;q26). 3PDS is a rare contiguous gene disorder involving the loss of the telomeric portion of the short arm of chromosome 3 and characterized by developmental delay, growth retardation, and dysmorphic features.

Similarity:

Belongs to the immunoglobulin superfamily. Contactin family.

Contains 4 fibronectin type-III domains.

Contains 6 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:

Q8IWV2

Gene ID:

152330

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

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