精神发育迟滞相关蛋白 Oligophrenin-1 抗体

产品货号： mlR11469

英文名称： Oligophrenin 1

中文名称： 精神发育迟滞相关蛋白 Oligophrenin-1 抗体

别　　名： Oligophrenin1; Oligophrenin-1; OPHN1_HUMAN.

研究领域： 细胞生物　神经生物学　信号转导　G 蛋白信号

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： 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： 92kDa

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 Oligophrenin 1:418-465/802

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： Ras p21 can exist in either a physiologically quiescent GDP-binding state or a GTP-binding signal-emitting state (1,2). Interaction of Ras p21 with GTPase activating protein (GAP) can increase the rate of hydrolysis of Ras p21-bound GTP by as much as 1000-fold (3). In mitogenically activated and tyrosine kinase-transformed cells, Ras GAP forms a complex with a protein designated p190 (4). At its amino terminus, p190 contains sequence motifs characteristic of all known GTPases, whereas the carboxy terminus contains sequences similar to those found in the Bcr gene product, n-chimerin and Rho GAP, all of which exhibit intrinsic GAP activity (4,5). Oligophrenein-1 is an additional protein with GTPase activating activity. Oligophrenein-1 is a RhoGAP protein that stimulates GTP hydrolysis of Rho subfamily members and is involved in cell migration, morphogenesis and axon outgrowth (6).

Function:

Stimulates GTP hydrolysis of members of the Rho family. Could activates GTPase targets that are known to affect cell migration and outgrowth of axons and dendrites.

Subunit:

Interacts with HOMER1. Interacts with AMPA receptor complexes. Interacts with SH3GL2 (endophilin-A1)

Subcellular Location:

Cell junction, synapse. Cell projection, axon. Cell projection, dendritic spine. Note=Present in both presynaptic and postsynaptic sites

Tissue Specificity:

Expressed in brain.

DISEASE:

Defects in OPHN1 are the cause of mental retardation X-linked OPHN1-related (MRXSO) [MIM:300486]; formerly designated MRX60. MRXSO is a syndromic mental retardation. Patients present mental retardation associated with cerebellar hypoplasia and distinctive facial dysmorphism.

Similarity:

Contains 1 PH domain.

Contains 1 Rho-GAP domain.

SWISS:

O60890

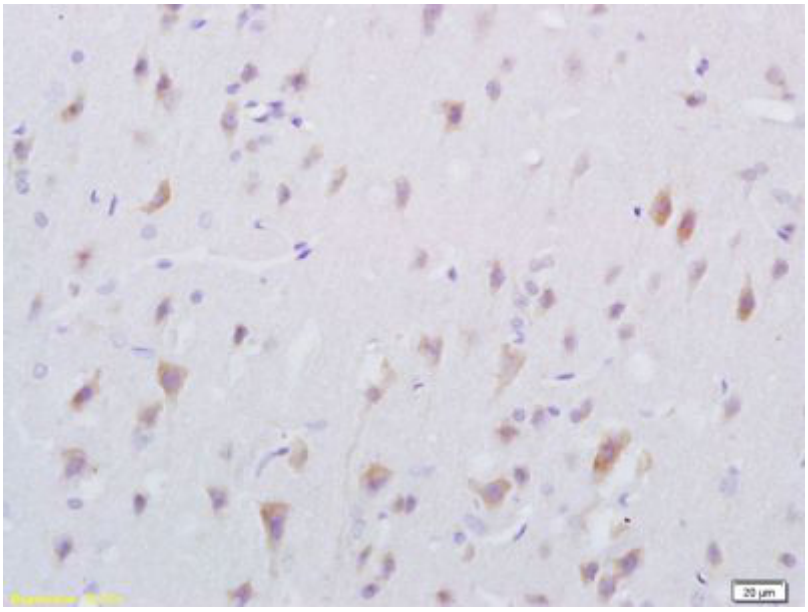
Gene ID:

4983

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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