

AP2 关联激酶 1 抗体

产品货号： mlR1507

英文名称： AAK1

中文名称： AP2 关联激酶 1 抗体

别 名： AAK 1; Adaptor associated kinase 1; Aak1; AAK1_HUMAN; Adaptor-associated kinase 1; AP2-associated protein kinase 1; DKFZp686F03202; AP2 associated kinase 1; AP2 associated protein kinase 1; DKFZp686F03202; DKFZp686K16132; FLJ23712; FLJ25931; FLJ31060; FLJ42882; FLJ45252; KIAA1048; MGC138170; MGC164568; MGC164570.

研究领域： 信号转导 激酶和磷酸酶 转运蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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： 104kDa

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 AAK1:301-400/961

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： Adaptor-related protein complex 2 (AP-2 complexes) functions during receptor-mediated endocytosis to trigger clathrin assembly, interact with membrane-bound receptors, and recruit endocytic accessory factors. This gene encodes a member of the SNF1 subfamily of Ser/Thr protein kinases. The protein interacts with and phosphorylates a subunit of the AP-2 complex, which promotes binding of AP-2 to sorting signals found in membrane-bound receptors and subsequent receptor endocytosis. Its kinase activity is stimulated by clathrin. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

Function:

Phosphorylates the AP2M1/mu2 subunit of the adaptor protein complex 2 (AP-2). May play a role in regulating aspects of clathrin-mediated endocytosis.

Subunit:

Interacts with alpha-adaptin, AP-2, clathrin, NUMB and EPS15 isoform 2. Interacts with membrane-bound activated NOTCH1 but not with the inactive full-length form of NOTCH1. Preferentially interacts with monoubiquitinated activated NOTCH1 compared to the non-ubiquitinated form.

Subcellular Location:

Cell membrane; Peripheral membrane protein(By similarity). Membrane, clathrin-coated pit (By similarity).Note=Active when found in clathrin-coated pits at the plasmamembrane. In neuronal cells, enriched at presynaptic terminals. Innon-neuronal cells, enriched at leading edge of migrating cells (Bysimilarity).

Tissue Specificity:

Detected in brain, heart and liver. Isoform 1is the predominant isoform in brain.

Post-translational modifications:

Autophosphorylated (By similarity).

Similarity:

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.

Contains 1 protein kinase domain.

SWISS:

Q2M2I8

Gene ID:

22848

Important Note:

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

