丝裂原活化蛋白激酶组织蛋白 1 抗体

产品货号： mlR6722

英文名称： MAPK organizer 1

中文名称： 丝裂原活化蛋白激酶组织蛋白 1 抗体

别　　名： MAPK organizer 1; MGC4238; Mitogen activated protein kinase organizer 1; Mitogen-activated protein kinase organizer 1; MORG 1; WD repeat domain-containing protein 83; wdr83; WDR83_HUMAN.

研究领域： 心血管　细胞生物　信号转导　激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

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

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： 35kDa

细胞定位： 细胞核 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human MAPK organizer 1:201-315/315

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 background:

This gene encodes a member of the WD-40 protein family. The protein is proposed to function as a molecular scaffold for various multimeric protein complexes. The protein associates with several components of the extracellular signal-regulated kinase (ERK) pathway, and promotes ERK activity in response to serum or other signals. The protein also interacts with egl nine homolog 3 (EGLN3, also known as PHD3) and regulates expression of hypoxia-inducible factor 1, and has been purified as part of the spliceosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Function:

Molecular scaffold protein for various multimeric protein complexes. Acts as a module in the assembly of a multicomponent scaffold for the ERK pathway, linking ERK responses to specific agonists. At low concentrations it enhances ERK activation, whereas high concentrations lead to the inhibition of ERK activation. Also involved in response to hypoxia by acting as a negative regulator of HIF1A/HIF-1-alpha via its interaction with EGLN3/PHD3. May promote degradation of HIF1A. May act by recruiting signaling complexes to a specific upstream activator (By similarity). May also be involved in pre-mRNA splicing.

Subunit:

Interacts with EGLN3/PHD3. Interacts with ERK signaling proteins MAP2K1/MEK1, MAP2K2/MEK2, LAMTOR3, ARAF/Raf-1, MAPK1/ERK2 and MAPK3/ERK1. Identified in the spliceosome C complex.

Subcellular Location:

Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Partially nuclear.

Similarity:

Belongs to the WD repeat MORG1 family.

Contains 7 WD repeats.

SWISS:

Q9BRX9

Gene ID:

84292

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 ：