

高尔基体自身蛋白 GM130 抗体

产品货号: mlR8155

英文名称: GM130

中文名称: 高尔基体自身蛋白 GM130 抗体

别名: 130 kDa cis Golgi matrix protein; 130 kDa cis-Golgi matrix protein; Cis golgi matrix protein GM130; GM130; GM130 autoantigen; GOGA2_HUMAN; GOLGA 2; GOLGA2; Golgi autoantigen; Golgi autoantigen golgin subfamily a 2; Golgi matrix protein GM130; Golgin 95; golgin A2; Golgin subfamily a 2; Golgin subfamily A member 2; Golgin-95; MGC20672; SY11 protein.

研究领域: 细胞生物 免疫学 细胞类型标志物

抗体来源: Rabbit

克隆类型: Polyclonal

交叉反应: Human, Mouse, Rat, Pig, Cow,

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: 113kDa

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 GM130:851-1002/1002

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 docking of transport vesicles to their target membrane is mediated by p115. GM130, a cis-Golgi matrix protein, interacts specifically with p115 and provides a membrane docking site. Both GM130 and p115 are involved in vesicle tethering to Golgi membranes. The amino-terminus of GM130 binds to p115, whereas the carboxy-terminus binds to Golgi membranes. Both Giantin and GM130 compete for binding to p115. Thus, p115-Giantin and p115-GM130 interactions might mediate independent membrane tethering events. Transport from the ER to the cis/medial Golgi compartments requires the action of p115, GM130 and Giantin via a sequential rather than a coordinate mechanism. Mitotic phosphorylation of GM130 at Serine 25 is mediated by Cdc2, prevents binding to p115 and is directly involved in mitotic Golgi fragmentation. GM130 is phosphorylated in prophase as the Golgi complex starts to break down, and remains phosphorylated in metaphase and anaphase. In telophase, GM130 is dephosphorylated by PP2A as the Golgi fragments start to reassemble.

Function:

Golgi auto-antigen; probably involved in maintaining cis-Golgi structure.

Subunit:

Part of a larger oligomeric complex. Interacts with p115. Interacts with RAB1B that has been activated by GTPbinding. Interacts with GORASP1/GRASP65 and ZFPL1.

Subcellular Location:

Golgi apparatus, Golgi stack membrane; Peripheral membrane protein.

Similarity:

Belongs to the GOLGA2 family.

SWISS:

Q08379



Gene ID:

2801

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

