

整合素 $\alpha 3$ 重链抗体

产品货号 : mlR6328

英文名称 : Integrin alpha-3 heavy chain

中文名称 : 整合素 $\alpha 3$ 重链抗体

别名 : Integrin alpha 3 heavy chain; AA407068; Antigen identified by monoclonal; Integrin alpha-3; J143; CD49 antigen like family member C; CD49 antigen-like family member C; CD49c; CD49c antigen; FLJ34631; FLJ34704; FRP 2; FRP-2; FRP2; Galactoprotein B3; GAP B3; GAPB3; Integrin alpha 3; Integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor); ITA3_HUMAN; ITGA 3; Itga3; MSK18; VCA 2; VCA2; Very late activation protein 3 receptor alpha 3 subunit; VL3A; VLA 3 alpha chain; VLA 3 subunit alpha; VLA-3 subunit alpha; VLA3a.

研究领域 : 细胞生物 免疫学 信号转导 干细胞 细胞骨架

抗体来源 : Rabbit

克隆类型 : Polyclonal

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

产品应用： WB=1:500-2000 ELISA=1:500-1000 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： 93/114kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human Integrin alpha-3 heavy chain:33-100/1051 <Extracellular>

亚型： IgG

纯化方法： affinity purified by Protein A

储存液： Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4

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:

The protein encoded by this gene belongs to the family of integrins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain, and function as cell surface adhesion molecules. This gene encodes alpha 3 subunit, which undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 subunit to form an integrin that interacts with many extracellular-matrix proteins. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008]

Function:

Integrin alpha-3/beta-1 is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration.

Subunit:

Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light chain linked by a disulfide bond. Alpha-3 associates with beta-1. Interacts with HPS5.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Tissue Specificity:

Isoform 1 is widely expressed. Isoform 2 is expressed in brain and heart. In brain, both isoforms are exclusively expressed on vascular smooth muscle cells, whereas in heart isoform 1 is strongly expressed on vascular smooth muscle cells, isoform 2 is detected only on endothelial vein cells.

Post-translational modifications:

Isoform 1, but not isoform 2, is phosphorylated on serine residues. Phosphorylation increases after phorbol 12-myristate 13-acetate stimulation.

Similarity:

Belongs to the integrin alpha chain family.

Contains 7 FG-GAP repeats.

SWISS:

P26006

Gene ID:

3675

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

