

胰岛素样生长因子结合蛋白 7 抗体

产品货号： mlR5098

英文名称： IGFBP7

中文名称： 胰岛素样生长因子结合蛋白 7 抗体

别名： AGM; Angiomodulin; FSTL2; IBP-7; IBP7; IBP7_HUMAN; IGF binding protein 7; IGF-binding protein 7; IGFBP rP1; IGFBP-7; IGFBP-rP1; IGFBP7; IGFBPRP1; Insulin like growth factor binding protein 7; Insulin-like growth factor-binding protein 7; MAC25; MAC25 protein; PGI2 stimulating factor; PGI2-stimulating factor; Prostacyclin stimulating factor; Prostacyclin-stimulating factor; PSF; RAMSVPS; TAF; Tumor-derived adhesion factor.

研究领域： 肿瘤 细胞生物 免疫学 信号转导 生长因子和激素

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： WB=1:500-2000 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 : 26kDa

细胞定位 : 分泌型蛋白

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human IGFBP7:131-230/282

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:

IGF-BPs form high affinity complexes with both IGF-I and IGF-II and act to control of the distribution, function and activity of IGFs in various cell tissues and body fluids. There are seven named IGF-BPs. IGFBP7 plays a role in skeletal myogenesis by binding to IGF in a manner that inhibits IGF induced differentiation of skeletal myoblasts, without affecting IGF induced proliferation. Additionally, IGFBP7 suppresses growth and colony formation of prostate and breast cancer cell lines through an IGF independent mechanism, which causes a delay in the G1 phase of the cell cycle, and increased apoptosis. IGFBP7 is expressed in a wide range of normal human tissues and it usually shows reduced expression in cancer cell lines of prostate, breast, colon, and lung origin.

Function:

Binds IGF-I and IGF-II with a relatively low affinity. Stimulates prostacyclin (PGI₂) production. Stimulates cell adhesion.

Subunit:

May interact with VPS24/CHMP3; the relevance of such interaction however remains unclear.

Subcellular Location:

Secreted.

Post-translational modifications:

N-glycosylated.

DISEASE:

Defects in IGFBP7 are the cause of retinal arterial macroaneurysm with supravulvar pulmonic stenosis (RAMSVPS) [MIM:614224]. RAMSVPS is an autosomal recessive condition characterized by the bilateral appearance of 'beading' along the major retinal arterial trunks, with the subsequent formation of

macroaneurysms. Affected individuals also have supraaortic arch stenosis, often requiring surgical correction.

Similarity:

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.Contains 1 IGF1R N-terminal domain.Contains 1 Kazal-like domain.

SWISS:

Q16270

Gene ID:

3490

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

