

S100 钙结合蛋白 P 抗体

产品货号： mlR22146

英文名称： S100P

中文名称： S100 钙结合蛋白 P 抗体

别名： MIG9; Migration inducing gene 9; Protein S100-E; Protein S100-P; Protein S100P; S100 calcium binding protein P; S100 calcium-binding protein P; S100 P; S100E; S100P; S100P_HUMAN.

研究领域： 肿瘤 免疫学 信号转导 转录调节因子 肿瘤细胞生物标志物

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： IHC-P=1:400-800 (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： 10kDa

细胞定位： 细胞核 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human S100P:21-70/95

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 protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca²⁺, also binds Zn²⁺ and Mg²⁺. This protein may play a role in the etiology of prostate cancer. [provided by RefSeq]

Function:

May function as calcium sensor and contribute to cellular calcium signaling. In a calcium-dependent manner, functions by interacting with other proteins, such as EZR and PPP5C, and indirectly plays a role in physiological processes like the formation of microvilli in epithelial cells. May stimulate cell proliferation in an autocrine manner via activation of the receptor for activated glycation end products (RAGE).

Subunit:

Homodimer and heterodimer with S100A1. Interacts with S100BP and S100Z. Interacts with CACYBP in a calcium-dependent manner. Dimeric form binds to and activates EZR/Ezrin by unmasking its F-actin binding sites. Interacts with PPP5C (via TPR repeats); the interaction is calcium-dependent and modulates PPP5C activity.

Subcellular Location:

Nucleus. Cytoplasm. Colocalizes with S100BP in the nucleus.

Tissue Specificity:

ected in all of the tissues except brain, testis and small intestine, expression level is higher in placenta, heart, lung, skeletal muscle, spleen and leukocyte. Up-regulated in various pancreatic ductal adenocarcinomas and pancreatic intraepithelial neoplasias.

Similarity:

Belongs to the S-100 family.

Contains 2 EF-hand domains.

SWISS:

P25815

Gene ID:

6286

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

