

## 酸性磷酸酶抗体

产品货号： mlR6291

英文名称： Acid Phosphatase

中文名称： 酸性磷酸酶抗体

别名： Acid phosphatase 1 soluble; Acid phosphatase of erythrocyte; Adipocyte acid phosphatase; Cytoplasmic phosphotyrosyl protein phosphatase; HAAP; Low molecular weight phosphotyrosine protein phosphatase; PAP1; PAP2; Protein tyrosine phosphatase; PTPase; Purple acid phosphatase; Red cell acid phosphatase 1; PPAC\_HUMAN.

研究领域： 肿瘤 细胞生物 细胞周期蛋白 激酶和磷酸酶 肿瘤细胞生物标志物

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： 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 : 18kDa

细胞定位 : 细胞浆

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human Acid Phosphatase:71-158/158

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:**

Phosphatase enzymes catalyse hydrolysis of phosphoric acid esters of various alcohols, e.g. a hexose phosphate, to yield the alcohol and free inorganic phosphate. This may be a way of recycling phosphate in the cell, and the level of phosphate may be elevated under conditions of phosphate starvation (in algae for example). Acid phosphatases have pH optima below 7, whereas alkaline phosphatases are most active above pH 7. Commercial quantities of acid phosphatase are obtained from plant sources e.g. potato and wheat germ, whereas similar quantities of alkaline phosphatase are obtained from animal intestine and bacteria.

**Function:**

Acts on tyrosine phosphorylated proteins, low-MW aryl phosphates and natural and synthetic acyl phosphates. Isoform 3 does not possess phosphatase activity.

**Subunit:**

Isoform 1 interacts with the SH3 domain of SPTAN1. There is no interaction observed for isoforms 2 or 3. Interacts with EPHA2; dephosphorylates EPHA2. Interacts with EPHB1.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

T-lymphocytes express only isoform 2.

**Similarity:**

Belongs to the low molecular weight phosphotyrosine protein phosphatase family.

**SWISS:**

P24666

**Gene ID:**

52

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.