

## 脂质运载蛋白抗体

产品货号： mlR41133

英文名称： NGAL/Lipocalin 2

中文名称： 脂质运载蛋白抗体

别名： Lipocalin 2; Neutrophil Gelatinase associated Lipocalin; 25 kDa alpha 2 microglobulin related subunit of MMP9; Alpha 2 microglobulin related protein; HGNC:6526; HNL; Lcn 2; Lcn2; Neutrophil gelatinase associated lipocalin precursor; NGAL; Oncogene 24p3; P25; SV40 induced 24P3 protein. 24p3; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Migration stimulating factor inhibitor; MSFI; Neutrophil gelatinase associated lipocalin precursor; Neutrophil gelatinase-associated lipocalin; NGAL\_HUMAN; Oncogenic lipocalin 24p3; Siderocalin; siderocalin LCN2; SV40 induced 24P3 protein.

研究领域： 肿瘤 细胞生物 神经生物学 信号转导 细胞凋亡 激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,



产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 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： 20kDa

细胞定位： 分泌型蛋白

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： Recombinant human NGAL:

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 :** Lipocalin 2 is a member of the lipocalin family which encompass more than 25 members (including proteins like retinol binding protein,  $\alpha 1$  microglobulin,  $\beta$  lactoglobulin, apolipoprotein D and odorant binding protein). The members of the lipocalin family are characterized by their ability to bind small lipophilic substances in their hydrophobic core, and thereby serve as transporters of substances.

**Function:**

Iron-trafficking protein involved in multiple processes such as apoptosis, innate immunity and renal development. Binds iron through association with 2,5-dihydroxybenzoic acid (2,5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin, and delivers or removes iron from the cell, depending on the context. Iron-bound form (holo-24p3) is internalized following binding to the SLC22A17 (24p3R) receptor, leading to release of iron and subsequent increase of intracellular iron concentration. In contrast, association of the iron-free form (apo-24p3) with the SLC22A17 (24p3R) receptor is followed by association with an intracellular siderophore, iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration. Involved in apoptosis due to interleukin-3 (IL3) deprivation: iron-loaded form increases intracellular iron concentration without promoting apoptosis, while iron-free form decreases intracellular iron levels, inducing expression of the proapoptotic protein BCL2L1/BIM, resulting in apoptosis. Involved in innate immunity, possibly by sequestering iron, leading to limit bacterial growth.

**Subunit:**

Homodimer; disulfide-linked. Heterodimer; disulfide-linked with MMP9.

**Subcellular Location:**

Secreted. Note=Upon binding to the SLC22A17 (24p3R) receptor, it is internalized.

**Tissue Specificity:**

Expressed in bone marrow and in tissues that are prone to exposure to microorganism. High expression is found in bone marrow as well as in uterus, prostate, salivary gland, stomach, appendix, colon, trachea and lung. Not found in the small intestine or peripheral blood leukocytes.

**Similarity:**

Belongs to the calycin superfamily. Lipocalin family.

**SWISS:**

P80188

**Gene ID:**

3934

**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

