

## 吸引素抗体

产品货号： mlR1528

英文名称： Attractin

中文名称： 吸引素抗体

别名： ATRN; Attractin; DPPT-L; KIAA0548; Mahogany homolog; mahogany protein; MGCA.

研究领域： 心血管 免疫学

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： 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： 133kDa

细胞定位： 细胞膜 分泌型蛋白

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human ATRN:751-850/1429 <Extracellular>

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** : Attractin is a serum glycoprotein of 175 kDa and found in both membrane-bound and secreted forms as a result of alternative splicing. Both the secreted and membrane-bound forms of attractin may be involved in the development and maintenance of the central nervous system. Membrane-bound attractin is a co-receptor for Agouti, antagonist of melanocortin-1 receptor. Secreted attractin, expressed by activated T lymphocytes and modulates interactions between T cells and monocytes/macrophages, was examined as a potential marker of immune activity. Attractin may be a component of a pathway for regulated protein turnover that also involves mahogunin, a wide-expressed E3 ubiquitin ligase found at particularly high levels in the brain. Attractin was considered as an extracellular target amenable for the development of obesity-regulating drugs, also.

**Function:**

Involved in the initial immune cell clustering during inflammatory response and may regulate chemotactic activity of chemokines. May play a role in melanocortin signaling pathways that regulate energy homeostasis and hair color. Low-affinity receptor for agouti (By similarity). Has a critical role in normal myelination in the central nervous system (By similarity).

**Subunit:**

Monomer and homotrimer.

**Subcellular Location:**

Isoform 1: Cell membrane; Single-pass type I membrane protein.

Isoform 2: Secreted.

Isoform 3: Secreted.

**Tissue Specificity:**

Isoform 2 is detected in plasma (at protein level). Expressed and secreted by activated T-lymphocytes. Expressed at low to moderate levels in peripheral blood leukocytes, spleen, lymph node, tonsil, bone marrow and fetal liver. At very low levels found in thymus. Isoform 2 is the major isoform in peripheral blood leukocytes.

**Post-translational modifications:**

Heavily glycosylated.

**Similarity:**

Contains 1 C-type lectin domain.

Contains 1 CUB domain.

Contains 1 EGF-like domain.

Contains 6 Kelch repeats.

Contains 2 laminin EGF-like domains.

Contains 4 PSI domains.

**SWISS:**

O75882

**Gene ID:**

8455



**Important Note:**

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

ATRN 主要是参与肥胖基因的调节，在大脑中的表达水平与抑制肥胖症成正相关，并在协调 T 细胞与巨噬细胞之间的反应等方面起着十分重要的作用。